

State of California
The Resources Agency
Department of Water Resources

Historical Ground Water Levels in Yuba County

**Department of Water Resources
Central District**

Douglas P. Wheeler
Secretary for Resources
The Resources Agency

Pete Wilson
Governor
State of California

David N. Kennedy
Director
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June 1991

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- ♦ -

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For copies of the data, contact:

Department of Water Resources
Central District
Geology and Ground Water Section
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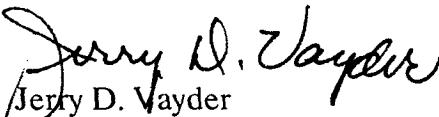
Pete Wilson
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Foreword

Ground water is an important source of water for Yuba County. In cooperation with local agencies, the Central District of the Department of Water Resources has collected data on ground water levels from more than 100 wells in the county. Almost half of the records begin in the 1940s.

The purpose of this report is to provide a summary of ground water level data collected by the Department and various divisions of Yuba County through December 1990. The report provides locations of wells, information related to the monitoring program, and hydrographs depicting changes in ground water levels over time. This information will provide the basis for a better understanding of ground water level trends in Yuba County. Understanding these trends will allow better management of this limited resource.



Jerry D. Vayder
Chief, Central District

Contents

Foreword	<i>iii</i>
Organization	<i>vii</i>
Introduction	1
State Well Numbering System	2
Water Level Measurements	3
Well Locations	5
Ground Water Level Data Management	9
Ground Water Levels for Yuba County Monitoring Wells	10
Ground Water Level Trends	11

Figures

Figure 1 State Well Numbering System	2
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Tables

Table 1 Measurement Frequency and Period of Record	4
Table 2 Monitoring Well Locations	6

Appendixes

Appendix A Hydrographs	13
Appendix B Local Water Agencies in Yuba County	69

Plate 1

Locations of Ground Water Level Monitoring Wells in Yuba County	Inside Back Cover
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Organization

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Pete Wilson, Governor

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Introduction

Since the monitoring program was started in Yuba County in 1947, water levels have been measured semiannually in 91 wells and monthly in 17 wells. Ground water levels are currently monitored in 76 wells in the county. Of these, 27 are measured by the California Department of Water Resources, Central District, and 49 are measured by various divisions of Yuba County.

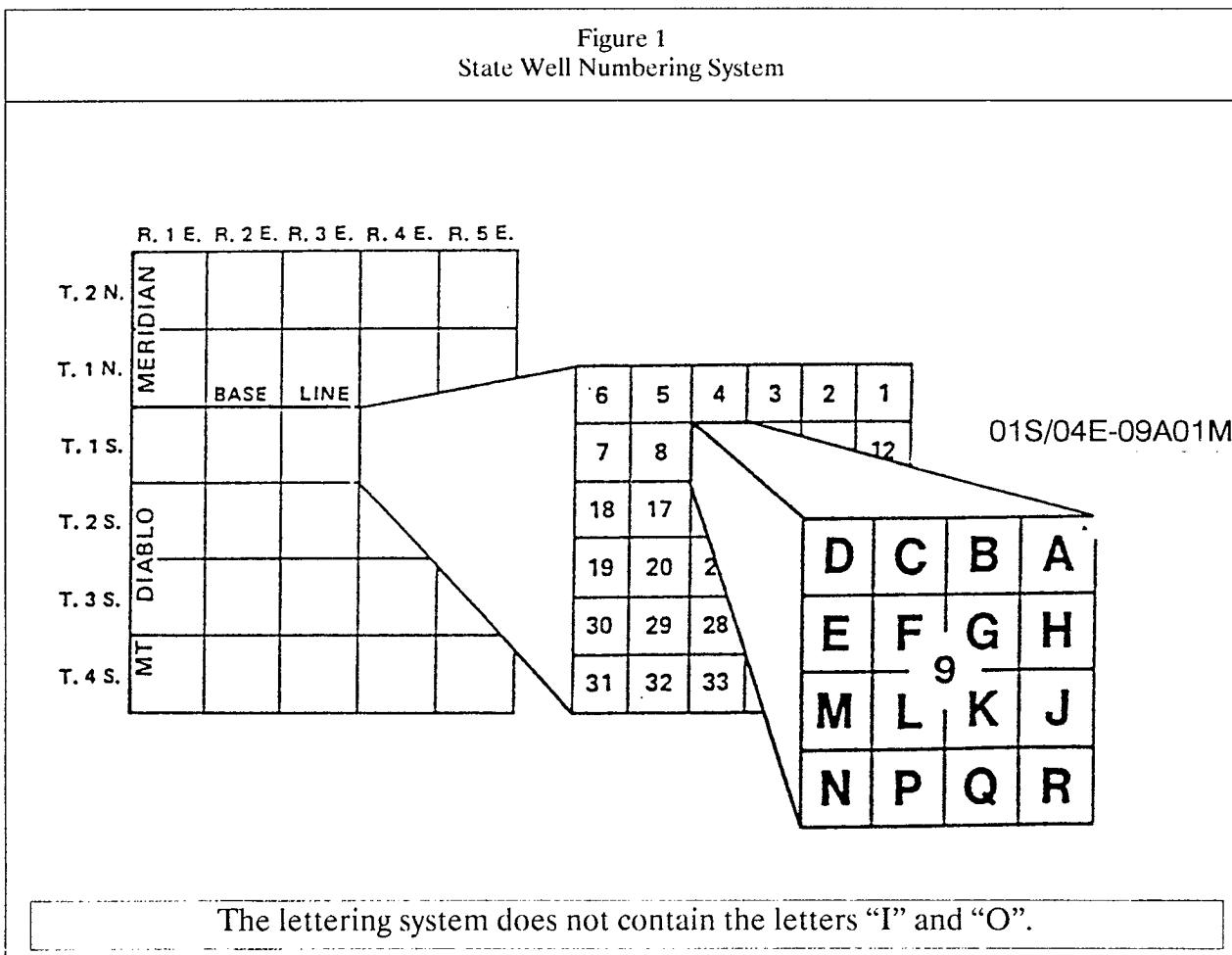
This report is a compilation of information related to the Department of Water Resources monitoring program and includes ground water level hydrographs for the monitored wells. Hydrographs for wells monitored by Yuba County are also included.

State Well Numbering System

Each well in the monitoring program is assigned an official State Well Number. The Department of Water Resources has sole responsibility for assigning State Well Numbers to water wells in California, and each number uniquely identifies a well based on its location.

Each State Well Number includes township, range, and section number, and each section is further subdivided into sixteen 40-acre tracts, which are assigned a letter designation as shown in Figure 1. Within each 40-acre tract, wells are numbered sequentially in the order they are assigned state well numbers. The final letter of the identification signifies the base line and meridian to which the well location refers. In Yuba County, all wells are referenced to the Mount Diablo base line and meridian. The example in Figure 1 is for State Well Number 01S/04E-09A01M.

Figure 1
State Well Numbering System



Water Level Measurements

Table 1 shows the period of record and frequency of measurement for Yuba County wells monitored by the Surface and Ground Water Data Section of the Central District and by Yuba County. The 76 wells currently measured are labeled as ACTIVE.

Most wells are measured twice each year: once in spring, usually during March, and once in fall, during October. Dates of the measurements are timed to obtain the approximate highest water level in the spring and approximate lowest water level in the fall. Wells labeled MONTH/SEMI or SEMI/MONTH indicate a change in measurement frequency from monthly to semiannually or from semiannually to monthly at some time during the period of record. A total of 17 wells have been measured monthly since DWR began collecting ground water level data for in Yuba County. Currently, water levels are measured monthly at 6 of the wells.

All measurements of water levels are accurate to the nearest tenth of a foot. Water levels in all wells are measured using a steel tape.

Table 1
MEASUREMENT FREQUENCY AND PERIOD OF RECORD
Ground Water Level Monitoring Wells in Yuba County

State Well Number	Agency	No.of Meas.	Measurement Frequency	Record Begins	Record Ends	State Well Number	Agency	No.of Meas.	Measurement Frequency	Record Begins	Record Ends
13N/04E-01Q01M	Yuba	73	SEMIANNUAL	11/28/47	Active	15N/03E-25J01M	Yuba	54	SEMIANNUAL	03/15/66	Active
13N/04E-02C01M	Yuba	63	SEMIANNUAL	11/28/47	10/06/83	15N/04E-04R01M	Yuba	101	SEMIANNUAL	11/24/47	Active
13N/04E-04H01M	Yuba	53	SEMIANNUAL	04/28/59	10/06/83	15N/04E-07H01M	Yuba	60	SEMIANNUAL	09/30/60	Active
13N/04E-07E01M	Yuba	102	SEMIANNUAL	11/17/47	Active	15N/04E-10A01M	DWR	28	SEMIANNUAL	09/07/78	Active
13N/04E-09R01M	Yuba	75	SEMIANNUAL	11/08/48	10/17/86	15N/04E-11K02M	DWR	28	SEMIANNUAL	09/07/78	Active
13N/04E-17P01M	Yuba	118	SEMIANNUAL	11/27/47	Active	15N/04E-13A01M	DWR	54	SEMIANNUAL	06/17/65	Active
13N/04E-20B02M	DWR	116	MONTH/SEMI	11/20/56	10/15/75	15N/04E-15A01M	Yuba	94	SEMIANNUAL	11/26/47	Active
13N/05E-04B02M	DWR	29	SEMIANNUAL	02/09/77	Active	15N/04E-15R01M	Yuba	56	SEMIANNUAL	01/08/64	Active
13N/05E-04C02M	DWR	169	MONTHLY	02/09/77	Active	15N/04E-16P01M	Yuba	58	SEMIANNUAL	11/05/47	10/12/88
13N/05E-04J01M	Yuba	90	SEMIANNUAL	11/24/47	Active	15N/04E-20E01M	Yuba	61	SEMIANNUAL	08/21/63	Active
13N/05E-06E01M	Yuba	88	SEMIANNUAL	11/21/47	Active	15N/04E-22P01M	Yuba	89	SEMIANNUAL	11/05/47	Active
14N/03E-12F01M	Yuba	82	SEMIANNUAL	03/28/50	Active	15N/04E-23A01M	Yuba	94	SEMIANNUAL	11/26/47	Active
14N/03E-24B01M	Yuba	95	SEMIANNUAL	11/11/47	Active	15N/04E-24A01M	DWR	47	SEMIANNUAL	07/14/67	Active
14N/03E-25C02M	Yuba	53	SEMIANNUAL	10/16/64	Active	15N/04E-24B01M	DWR	47	SEMIANNUAL	07/14/67	Active
14N/03E-36C01M	Yuba	44	SEMIANNUAL	11/17/47	10/16/67	15N/04E-24I01M	DWR	47	SEMIANNUAL	07/14/67	Active
14N/03E-36C02M	Yuba	50	SEMIANNUAL	10/16/67	Active	15N/04E-24M01M	DWR	169	MONTHLY	03/07/68	Active
14N/04E-05J02M	Yuba	57	SEMIANNUAL	12/13/63	Active	15N/04E-24R02M	DWR	21	SEMIANNUAL	10/16/80	Active
14N/04E-07A03M	Yuba	33	SEMIANNUAL	10/29/53	05/08/70	15N/04E-25L02M	Yuba	47	SEMIANNUAL	11/06/67	Active
14N/04E-11H01M	Yuba	88	SEMIANNUAL	11/18/48	Active	15N/04E-26C01M	Yuba	51	SEMIANNUAL	11/06/67	Active
14N/04E-13C01M	Yuba	142	MONTH/SEMI	10/07/48	Active	15N/04E-27A01M	Yuba	54	SEMIANNUAL	11/06/67	Active
14N/04E-15C05M	DWR	186	MONTH/SEMI	04/28/59	Active	15N/04E-27J01M	DWR	46	SEMIANNUAL	11/06/67	Active
14N/04E-18C01M	DWR	104	MONTH/SEMI	11/11/47	10/20/71	15N/04E-28D01M	Yuba	92	SEMIANNUAL	11/26/47	Active
14N/04E-20H01M	Yuba	57	SEMIANNUAL	02/11/66	Active	15N/04E-32D01M	DWR	298	MONTHLY	12/10/47	07/28/87
14N/04E-22M01M	Yuba	45	SEMIANNUAL	12/01/47	10/09/70	15N/04E-33D01M	Yuba	47	SEMIANNUAL	12/10/47	03/10/80
14N/04E-23A01M	Yuba	63	SEMIANNUAL	12/03/47	03/10/80	15N/04E-34E01M	DWR	46	SEMIANNUAL	02/13/68	Active
14N/04E-24P01M	Yuba	96	SEMIANNUAL	11/21/47	Active	15N/04E-35P01M	Yuba	53	SEMIANNUAL	07/12/67	Active
14N/04E-28R01M	Yuba	44	SEMIANNUAL	12/02/47	10/21/71	15N/05E-06R01M	DWR	54	SEMIANNUAL	06/16/65	Active
14N/04E-30F01M	Yuba	79	SEMIANNUAL	11/17/47	Active	15N/05E-07K01M	DWR	29	SEMIANNUAL	08/30/78	Active
14N/04E-30K01M	Yuba	93	SEMIANNUAL	11/17/47	Active	15N/05E-19N01M	DWR	71	SEMIANNUAL	10/15/52	03/27/80
14N/04E-30N01M	DWR	281	MONTHLY	04/27/61	Active	15N/05E-29C01M	DWR	23	SEMIANNUAL	06/25/65	10/15/76
14N/04E-32M01M	Yuba	34	SEMIANNUAL	03/15/66	10/05/79	15N/05E-29C02M	DWR	30	SEMIANNUAL	03/12/76	Active
14N/04E-35N01M	Yuba	76	SEMIANNUAL	11/28/47	10/06/83	15N/05E-30B01M	DWR	268	MONTHLY	05/23/62	Active
14N/04E-36G01M	Yuba	90	SEMIANNUAL	12/02/47	Active	15N/05E-33G01M	DWR	26	SEMIANNUAL	09/21/67	10/16/80
14N/05E-05A01M	Yuba	68	SEMIANNUAL	12/05/49	11/04/82	16N/03E-01P02M	Yuba	211	MONTH/SEMI	11/04/47	Active
14N/05E-06B01M	Yuba	85	SEMIANNUAL	11/28/48	Active	16N/03E-14B02M	Yuba	61	SEMIANNUAL	10/24/63	Active
14N/05E-08R01M	Yuba	84	SEMIANNUAL	11/18/48	Active	16N/03E-24A01M	Yuba	91	SEMIANNUAL	11/07/47	Active
14N/05E-10R01M	DWR	8	SEMIANNUAL	04/01/75	10/17/78	16N/03E-26F01M	Yuba	100	SEMIANNUAL	11/05/47	Active
14N/05E-10R02M	DWR	25	SEMIANNUAL	10/17/78	Active	16N/03E-36G01M	Yuba	91	SEMIANNUAL	11/05/47	Active
14N/05E-12N01M	DWR	47	SEMIANNUAL	07/11/67	Active	16N/04E-08A01M	Yuba	152	MONTH/SEMI	11/19/47	Active
14N/05E-13C01M	DWR	51	SEMIANNUAL	06/15/65	Active	16N/04E-16A01M	Yuba	69	SEMIANNUAL	11/19/47	10/14/83
14N/05E-15C01M	DWR	48	SEMIANNUAL	07/11/67	Active	16N/04E-17R01M	DWR	143	MONTH/SEMI	05/22/62	03/22/88
14N/05E-16C02M	Yuba	78	SEMIANNUAL	12/05/51	Active	16N/04E-17R02M	DWR	6	SEMIANNUAL	03/22/88	Active
14N/05E-16Q01M	DWR	177	SEMI/MONTH	10/20/72	Active	16N/04E-27P02M	Yuba	80	SEMIANNUAL	11/26/47	03/23/82
14N/05E-18A01M	Yuba	65	SEMIANNUAL	12/03/47	10/06/77	16N/04E-28E01M	Yuba	75	SEMIANNUAL	11/26/47	03/23/82
14N/05E-20D02M	Yuba	44	SEMIANNUAL	03/09/67	03/08/88	16N/04E-33N01M	Yuba	65	SEMIANNUAL	11/26/47	03/15/78
14N/05E-21R02M	Yuba	41	SEMIANNUAL	04/28/59	03/02/77	16N/04E-34Q01M	Yuba	83	SEMIANNUAL	11/29/48	Active
14N/05E-26F01M	DWR	29	SEMIANNUAL	06/15/65	10/16/79	17N/03E-22R01M	Yuba	88	SEMIANNUAL	10/29/47	Active
14N/05E-27L02M	Yuba	82	SEMIANNUAL	11/21/51	Active	17N/03E-26A02M	Yuba	89	SEMIANNUAL	10/28/47	Active
14N/05E-30Q01M	DWR	418	SEMI/MONTH	11/24/47	Active	17N/03E-35H02M	Yuba	146	MONTH/SEMI	10/29/47	Active
14N/05E-32R02M	DWR	103	MONTH/SEMI	11/24/47	10/25/88	17N/04E-27F01M	Yuba	76	SEMIANNUAL	11/15/56	Active
14N/05E-32R03M	DWR	6	SEMIANNUAL	03/21/88	Active	17N/04E-30R01M	Yuba	73	SEMIANNUAL	10/26/53	Active
14N/05E-34G01M	DWR	51	SEMIANNUAL	06/15/65	Active	17N/04E-33Q01M	Yuba	56	SEMIANNUAL	12/13/63	Active
15N/03E-01D05M	DWR	78	MONTH/SEMI	01/26/66	10/27/78	17N/04E-35D01M	Yuba	35	SEMIANNUAL	10/13/73	Active
15N/03E-11C02M	Yuba	74	SEMIANNUAL	03/09/57	Active						
15N/03E-13F01M	DWR	32	SEMIANNUAL	01/08/64	03/29/80						

Well Locations

Locations of Yuba County wells monitored by the Department of Water Resources and other agencies are shown in Plate 1. Approximate latitude, longitude, and Zone 10 UTM (*Universal Transverse Mercator*) coordinates, in meters, for each well are given in Table 2.

The coordinates were determined by plotting the location of each well on USGS 7.5-minute quadrangles, using information on file with the Department of Water Resources. The UTM coordinates of the plotted locations were digitized from these quadrangles. Latitude and longitude coordinates for each well were calculated from the digitized UTM coordinate data using software developed by the U.S. Geological Survey.

Locations shown in Table 2 and on Plate 1 are approximate, but are estimated to be within 500 feet. If you detect an error in location, please notify the Department of Water Resources, Central District, Geology and Ground Water Section.

Table 2
MONITORING WELL LOCATIONS
Ground Water Level Monitoring Wells in Yuba County

State Well Number	UTM Coordinates		Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Latitude			Longitude		
	East	North			(Degrees	Minutes	Seconds)	(Degrees	Minutes	Seconds)
13N/04E-01Q01M	631932	4317852	39.0016	121.4764	39	0	6	121	28	35
13N/04E-02C01M	629916	4318816	39.0106	121.4995	39	0	38	121	29	58
13N/04E-04H01M	627734	4318208	39.0054	121.5248	39	0	20	121	31	29
13N/04E-07E01M	623313	4316631	38.9918	121.5762	38	59	31	121	34	34
13N/04E-09R01M	627662	4315951	38.9851	121.5261	38	59	6	121	31	34
13N/04E-17P01M	625149	4314340	38.9709	121.5554	38	58	15	121	33	19
13N/04E-20B02M	625731	4313804	38.9660	121.5488	38	57	58	121	32	56
13N/05E-04B02M	636821	4319204	39.0130	121.4197	39	0	47	121	25	11
13N/05E-04C02M	636445	4319104	39.0122	121.4241	39	0	44	121	25	27
13N/05E-04J01M	637128	4318239	39.0043	121.4164	39	0	15	121	24	59
13N/05E-06E01M	632851	4318446	39.0068	121.4657	39	0	24	121	27	57
14N/03E-12F01M	622194	4326137	39.0776	121.5874	39	4	40	121	35	15
14N/03E-24B01M	622607	4323557	39.0543	121.5831	39	3	16	121	34	59
14N/03E-25C02M	622031	4321851	39.0391	121.5900	39	2	21	121	35	24
14N/03E-36C01M	621971	4320228	39.0244	121.5910	39	1	28	121	35	28
14N/03E-36C02M	622005	4320175	39.0240	121.5906	39	1	26	121	35	26
14N/04E-05J02M	626024	4327640	39.0906	121.5428	39	5	26	121	32	34
14N/04E-07A03M	624353	4326864	39.0839	121.5623	39	5	2	121	33	44
14N/04E-11H01M	630904	4326502	39.0797	121.4866	39	4	47	121	29	12
14N/04E-13C01M	631629	4325509	39.0706	121.4785	39	4	14	121	28	42
14N/04E-15C05M	628470	4325167	39.0680	121.5150	39	4	5	121	30	54
14N/04E-18C01M	623744	4325210	39.0691	121.5696	39	4	9	121	34	11
14N/04E-20H01M	625830	4323008	39.0489	121.5459	39	2	56	121	32	45
14N/04E-22M01M	627921	4322859	39.0473	121.5218	39	2	50	121	31	18
14N/04E-23A01M	630624	4323623	39.0538	121.4904	39	3	14	121	29	26
14N/04E-24P01M	631772	4322681	39.0451	121.4773	39	2	42	121	28	38
14N/04E-28R01M	627436	4320614	39.0271	121.5278	39	1	38	121	31	40
14N/04E-30F01M	623687	4321496	39.0356	121.5710	39	2	8	121	34	15
14N/04E-30K01M	623873	4321097	39.0320	121.5689	39	1	55	121	34	8
14N/04E-30N01M	623156	4320558	39.0272	121.5773	39	1	38	121	34	38
14N/04E-32M01M	624931	4319552	39.0179	121.5569	39	1	5	121	33	25
14N/04E-35N01M	629587	4319322	39.0152	121.5032	39	0	55	121	30	12
14N/04E-36G01M	631980	4319921	39.0202	121.4755	39	1	13	121	28	32
14N/05E-05A01M	635462	4328836	39.1000	121.4335	39	6	0	121	26	1
14N/05E-06B01M	633218	4328778	39.0998	121.4595	39	5	59	121	27	34
14N/05E-08R01M	635389	4325838	39.0730	121.4349	39	4	23	121	26	6
14N/05E-10R01M	638830	4326146	39.0752	121.3951	39	4	31	121	23	42
14N/05E-10R02M	638751	4326049	39.0744	121.3960	39	4	28	121	23	46
14N/05E-12N01M	640768	4326191	39.0753	121.3727	39	4	31	121	22	22
14N/05E-13C01M	641223	4325659	39.0705	121.3676	39	4	14	121	22	3

Table 2 (continued)
MONITORING WELL LOCATIONS
 Ground Water Level Monitoring Wells in Yuba County

State Well Number	UTM Coordinates		Latitude (Decimal Degrees)	Longitude	Latitude			Longitude		
	East	North			(Degrees	Minutes	Seconds)	(Degrees	Minutes	Seconds)
14N/05E-15C01M	637588	4325735	39.0717	121.4095	39	4	18	121	24	34
14N/05E-16C02M	636422	4325687	39.0715	121.4230	39	4	17	121	25	23
14N/05E-16Q01M	636838	4324342	39.0593	121.4185	39	3	33	121	25	7
14N/05E-18A01M	634128	4325344	39.0687	121.4496	39	4	7	121	26	59
14N/05E-20D02M	634375	4324048	39.0570	121.4470	39	3	25	121	26	49
14N/05E-21R02M	637038	4322625	39.0438	121.4165	39	2	38	121	25	0
14N/05E-26F01M	639509	4322001	39.0378	121.3881	39	2	16	121	23	17
14N/05E-27L02M	637775	4321746	39.0358	121.4082	39	2	9	121	24	30
14N/05E-30Q01M	633307	4321042	39.0301	121.4599	39	1	48	121	27	36
14N/05E-32R02M	635568	4319567	39.0165	121.4341	39	0	59	121	26	3
14N/05E-32R03M	635485	4319569	39.0165	121.4351	39	0	59	121	26	6
14N/05E-34G01M	638427	4320370	39.0233	121.4009	39	1	24	121	24	3
15N/03E-01D05M	621614	4337878	39.1835	121.5920	39	11	1	121	35	31
15N/03E-11C02M	620324	4336456	39.1709	121.6072	39	10	15	121	36	26
15N/03E-13F01M	622049	4334300	39.1512	121.5876	39	9	4	121	35	15
15N/03E-25J01M	622565	4330729	39.1190	121.5823	39	7	8	121	34	56
15N/04E-04R01M	627546	4336861	39.1735	121.5235	39	10	25	121	31	25
15N/04E-07H01M	624310	4336064	39.1668	121.5611	39	10	0	121	33	40
15N/04E-10A01M	629084	4336699	39.1718	121.5057	39	10	18	121	30	21
15N/04E-11K02M	630446	4335785	39.1634	121.4901	39	9	48	121	29	25
15N/04E-13A01M	632323	4335205	39.1578	121.4685	39	9	28	121	28	7
15N/04E-15A01M	629214	4335064	39.1570	121.5045	39	9	25	121	30	16
15N/04E-15R01M	629207	4333826	39.1459	121.5049	39	8	45	121	30	17
15N/04E-16P01M	626697	4333725	39.1454	121.5339	39	8	43	121	32	2
15N/04E-20E01M	624534	4332887	39.1381	121.5591	39	8	17	121	33	33
15N/04E-22P01M	628194	4332252	39.1319	121.5169	39	7	55	121	31	1
15N/04E-23A01M	630863	4333590	39.1435	121.4857	39	8	37	121	29	9
15N/04E-24A01M	632506	4333644	39.1438	121.4667	39	8	38	121	28	0
15N/04E-24B01M	632047	4333629	39.1437	121.4720	39	8	37	121	28	19
15N/04E-24H01M	632407	4332934	39.1374	121.4680	39	8	15	121	28	5
15N/04E-24M01M	630938	4332785	39.1363	121.4850	39	8	11	121	29	6
15N/04E-24R02M	632119	4332238	39.1312	121.4715	39	7	52	121	28	17
15N/04E-25L02M	631429	4331061	39.1207	121.4797	39	7	14	121	28	47
15N/04E-26C01M	630074	4331688	39.1265	121.4952	39	7	35	121	29	43
15N/04E-27A01M	629154	4331771	39.1274	121.5059	39	7	39	121	30	21
15N/04E-27J01M	629091	4330911	39.1197	121.5068	39	7	11	121	30	24
15N/04E-28D01M	626336	4331700	39.1272	121.5385	39	7	38	121	32	18
15N/04E-32D01M	624669	4329865	39.1109	121.5581	39	6	39	121	33	29
15N/04E-33D01M	626451	4330106	39.1128	121.5374	39	6	46	121	32	15
15N/04E-34E01M	627845	4329653	39.1085	121.5214	39	6	31	121	31	17

Table 2 (continued)
MONITORING WELL LOCATIONS
Ground Water Level Monitoring Wells in Yuba County

State Well Number	UTM Coordinates		Latitude (Decimal Degrees)	Longitude	Latitude			Longitude		
	East	North			(Degrees	Minutes	Seconds)	(Degrees	Minutes	Seconds)
15N/04E-35P01M	629800	4328778	39.1003	121.4990	39	6	1	121	29	56
15N/05E-06R01M	633653	4336973	39.1736	121.4528	39	10	25	121	27	10
15N/05E-07K01M	633190	4336062	39.1654	121.4583	39	9	56	121	27	30
15N/05E-19N01M	632342	4332079	39.1297	121.4689	39	7	47	121	28	8
15N/05E-29C01M	634697	4331944	39.1281	121.4417	39	7	41	121	26	30
15N/05E-29C02M	634626	4331964	39.1283	121.4425	39	7	42	121	26	33
15N/05E-30B01M	633135	4331997	39.1288	121.4598	39	7	44	121	27	35
15N/05E-33G01M	636433	4329882	39.1093	121.4221	39	6	33	121	25	19
16N/03E-01P02M	621791	4346994	39.2656	121.5883	39	15	56	121	35	18
16N/03E-14B02M	620794	4345024	39.2480	121.6002	39	14	53	121	36	1
16N/03E-24A01M	622744	4343476	39.2338	121.5779	39	14	2	121	34	40
16N/03E-26F01M	620348	4341359	39.2150	121.6060	39	12	54	121	36	22
16N/03E-36G01M	622230	4339689	39.1997	121.5845	39	11	59	121	35	4
16N/04E-08A01M	625986	4346923	39.2643	121.5397	39	15	52	121	32	23
16N/04E-16A01M	627705	4345180	39.2484	121.5201	39	14	54	121	31	12
16N/04E-17R01M	626124	4343862	39.2368	121.5387	39	14	12	121	32	19
16N/04E-17R02M	626140	4343929	39.2374	121.5385	39	14	14	121	32	18
16N/04E-27P02M	628242	4340946	39.2102	121.5147	39	12	37	121	30	53
16N/04E-28E01M	626463	4341753	39.2177	121.5351	39	13	4	121	32	6
16N/04E-33N01M	626544	4338896	39.1920	121.5347	39	11	31	121	32	5
16N/04E-34Q01M	628802	4338935	39.1920	121.5086	39	11	31	121	30	31
17N/03E-22R01M	619395	4351688	39.3082	121.6152	39	18	30	121	36	55
17N/03E-26A02M	621044	4351198	39.3036	121.5962	39	18	13	121	35	46
17N/03E-35H02M	621008	4349295	39.2864	121.5969	39	17	11	121	35	49
17N/04E-27F01M	628159	4351478	39.3051	121.5136	39	18	18	121	30	49
17N/04E-30R01M	624344	4350296	39.2950	121.5581	39	17	42	121	33	29
17N/04E-33Q01M	627106	4349031	39.2832	121.5263	39	16	59	121	31	35
17N/04E-35D01M	629409	4350248	39.2938	121.4994	39	17	38	121	29	58

Ground Water Level Data Management

The data presented in this report are maintained on IBM-compatible personal computer systems using a collection of data processing applications developed by the Department of Water Resources, Central District, Geology and Ground Water Section. The data management application, known as "eXterra", consists of four main data tables that contain:

- » Ground water level data,
- » Generalized geographic data,
- » Well construction data, and
- » Coordinate data.

eXterra is configured to produce both printed reports and ASCII (*American Standard Code for Information Interchange*) files for use in other computer programs. Among the printed reports are:

- » Ground water levels for single wells or groups of wells, based on State Well Number, ground water basin, or county.
- » Well construction and monitoring history.
- » Well coordinate and other geographic data.

The ASCII output files are formatted for direct input to several widely available graphics programs to create ground water level contour maps or hydrographs, as presented in Appendix A.

The ground water level and coordinate data presented in this report can be purchased in electronic form (see inside front cover for details). The files are provided in ASCII delimited format. An ASCII documentation file explaining the contents of the data files is included with each response to a data request. Information about the IBM-compatible applications that comprise the eXterra ground water level data management system and their implementation is also available.

Ground Water Levels for Yuba County Monitoring Wells

Ground water level data for each well are depicted on the hydrographs in Appendix A. The hydrographs, organized by township from south to north and by range from east to west, graphically depict changes in ground water elevations through time. All hydrographs for wells within the county are shown at the same scale and range of elevations to facilitate comparison of levels between wells. A detailed study of a specific area might require hydrographs at a larger scale to allow better analysis. Hydrographs for active wells depict levels through December 1990.

On the hydrographs, solid circles (dots) depict actual measured ground water elevations. When an individual measurement is identified by a hollow circle, the measurement is questionable. Solid lines connecting individual measurements are extrapolations of the change in ground water elevation between measurements. Discontinuities on the graphs indicate that an expected measurement is missing. Dashed lines represent ground surface elevation at the well.

Ground Water Level Trends

Long-term ground water level data for Yuba County are only available for wells in the western portion of the county, in the Sacramento Valley lower than elevation 250 feet mean sea level. Although some of these wells have records as far back as the 1940s, there are not enough data to describe regional ground water trends prior to the 1950s.

Agriculture is the largest water user in the area north of the Yuba River. Surface water has always served a large portion of the water needs in this area. Due to the availability of surface water, ground water levels have stayed fairly constant since the monitoring program began in the late 1940s. Spring ground water levels range from 50 to 70 feet above mean sea level. Minor fluctuations in spring levels can be seen throughout the period of record due to climatic events such as the 1976/1977 drought, when levels dropped 30 feet in two years, to a range of 20 to 40 feet above mean sea level. However, by 1979, levels had recovered to historical elevations.

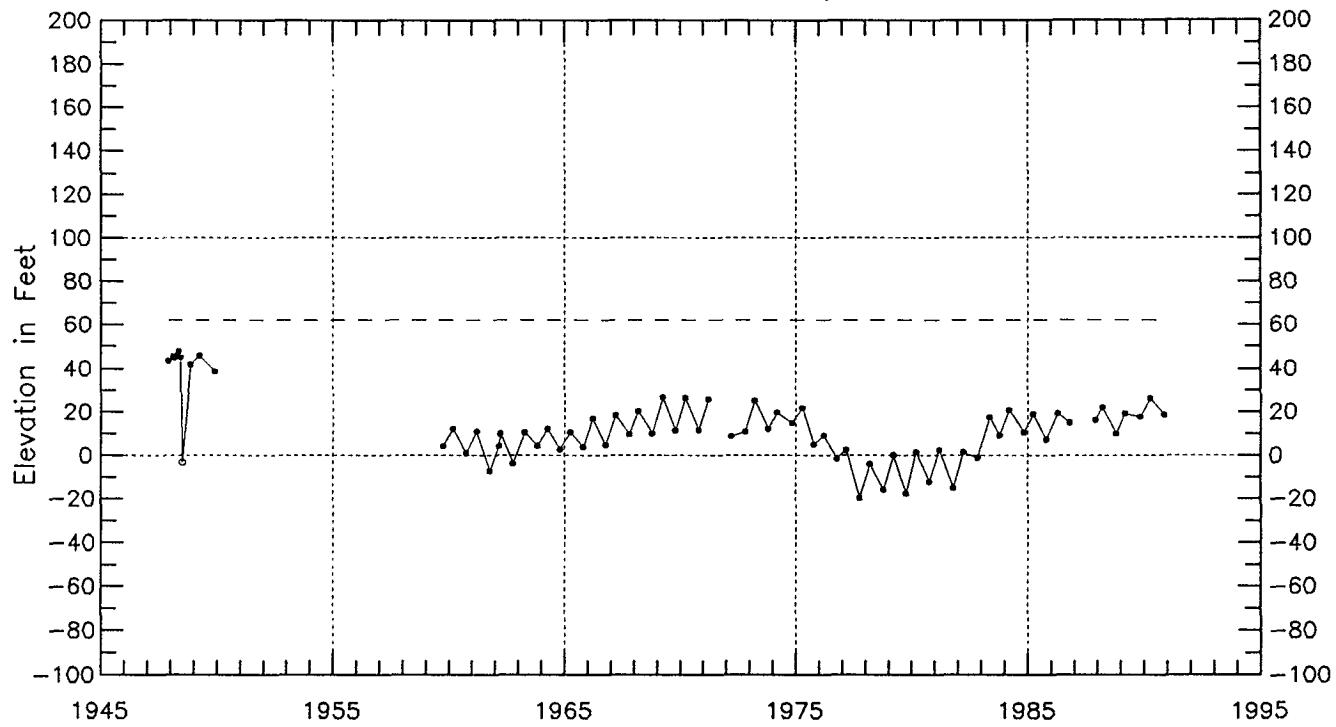
Historical data for western Yuba County indicate a pumping depression developed during the 1950s south of the Yuba River between Olivehurst and Beale Air Force Base. In 1960, spring ground water levels at the center of the 8-mile-wide pumping depression were about 10 feet above mean sea level. Although the width of the depression has stayed fairly constant, levels at the center of the depression fell about 3 feet per year until 1965. At that time, the decline slowed to about 1 foot per year. This continued until 1976, when drought conditions caused ground water levels to drop about 20 feet in two years, to about 35 feet below mean sea level. After the drought, spring ground water levels rose to 25 feet below mean sea level in 1978 and 1979, then dropped to 45 feet below mean sea level in 1980, 1981, and 1982. In 1983, high rainfall caused ground water levels to rise 10 feet in one year. In 1984, surface water was made available to a large portion of the land south of the Yuba River, which had previously been dependent on ground water. Since that time, levels have risen over 6 feet per year, to a 1990 spring elevation of about 5 feet above mean sea level at the center of the pumping depression.

Appendix A

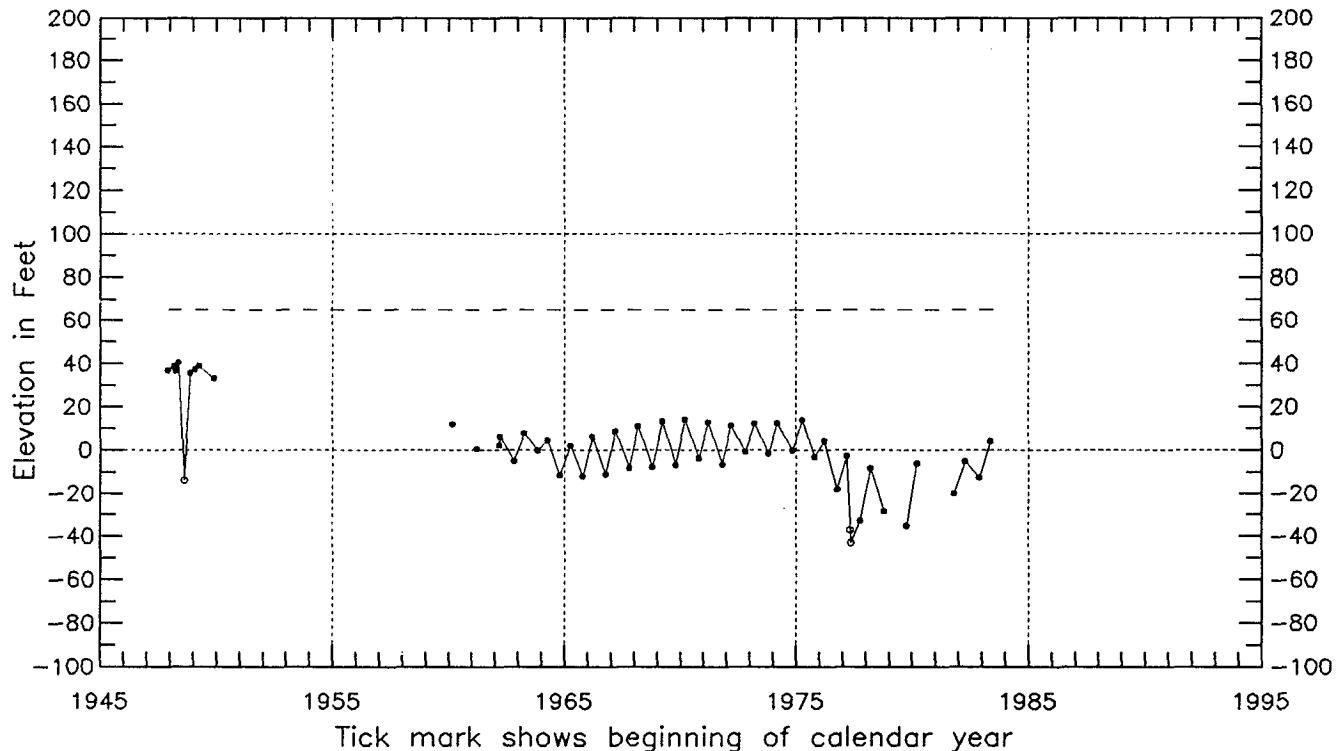
Hydrographs

State Well Number	Page	State Well Number	Page	State Well Number	Page
13N/04E-01Q01M	15	14N/05E-10R01M	33	15N/04E-25L02M	51
13N/04E-02C01M	15	14N/05E-10R02M	33	15N/04E-26C01M	51
13N/04E-04H01M	16	14N/05E-12N01M	34	15N/04E-27A01M	52
13N/04E-07E01M	16	14N/05E-13C01M	34	15N/04E-27J01M	52
13N/04E-09R01M	17	14N/05E-15C01M	35	15N/04E-28D01M	53
13N/04E-17P01M	17	14N/05E-16C02M	35	15N/04E-32D01M	53
13N/04E-20B02M	18	14N/05E-16Q01M	36	15N/04E-33D01M	54
13N/05E-04B02M	18	14N/05E-18A01M	36	15N/04E-34E01M	54
13N/05E-04C02M	19	14N/05E-20D02M	37	15N/04E-35P01M	55
13N/05E-04J01M	19	14N/05E-21R02M	37	15N/05E-06R01M	55
13N/05E-06E01M	20	14N/05E-26F01M	38	15N/05E-07K01M	56
14N/03E-12F01M	20	14N/05E-27L02M	38	15N/05E-19N01M	56
14N/03E-24B01M	21	14N/05E-30Q01M	39	15N/05E-29C01M	57
14N/03E-25C02M	21	14N/05E-32R02M	39	15N/05E-29C02M	57
14N/03E-36C01M	22	14N/05E-32R03M	40	15N/05E-30B01M	58
14N/03E-36C02M	22	14N/05E-34G01M	40	15N/05E-33G01M	58
14N/04E-05J02M	23	15N/03E-01D05M	41	16N/03E-01P02M	59
14N/04E-07A03M	23	15N/03E-11C02M	41	16N/03E-14B02M	59
14N/04E-11H01M	24	15N/03E-13F01M	42	16N/03E-24A01M	60
14N/04E-13C01M	24	15N/03E-25J01M	42	16N/03E-26F01M	60
14N/04E-15C05M	25	15N/04E-04R01M	43	16N/03E-36G01M	61
14N/04E-18C01M	25	15N/04E-07H01M	43	16N/04E-08A01M	61
14N/04E-20H01M	26	15N/04E-10A01M	44	16N/04E-16A01M	62
14N/04E-22M01M	26	15N/04E-11K02M	44	16N/04E-17R01M	62
14N/04E-23A01M	27	15N/04E-13A01M	45	16N/04E-17R02M	63
14N/04E-24P01M	27	15N/04E-15A01M	45	16N/04E-27P02M	63
14N/04E-28R01M	28	15N/04E-15R01M	46	16N/04E-28E01M	64
14N/04E-30F01M	28	15N/04E-16P01M	46	16N/04E-33N01M	64
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14N/04E-30N01M	29	15N/04E-22P01M	47	17N/03E-22R01M	65
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14N/05E-05A01M	31	15N/04E-24H01M	49	17N/04E-30R01M	67
14N/05E-06B01M	32	15N/04E-24M01M	50	17N/04E-33Q01M	68
14N/05E-08R01M	32	15N/04E-24R02M	50	17N/04E-35D01M	68

GROUND WATER ELEVATIONS, 13N/04E-01Q01M



GROUND WATER ELEVATIONS, 13N/04E-02C01M



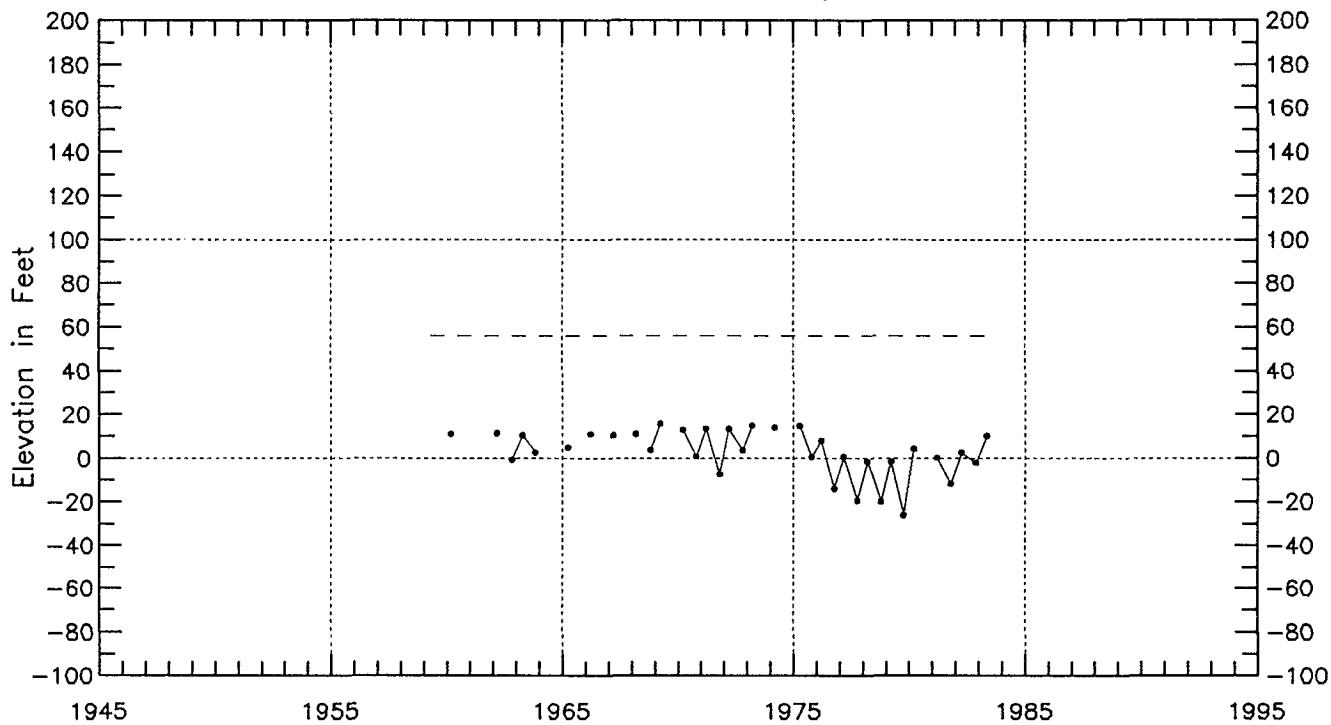
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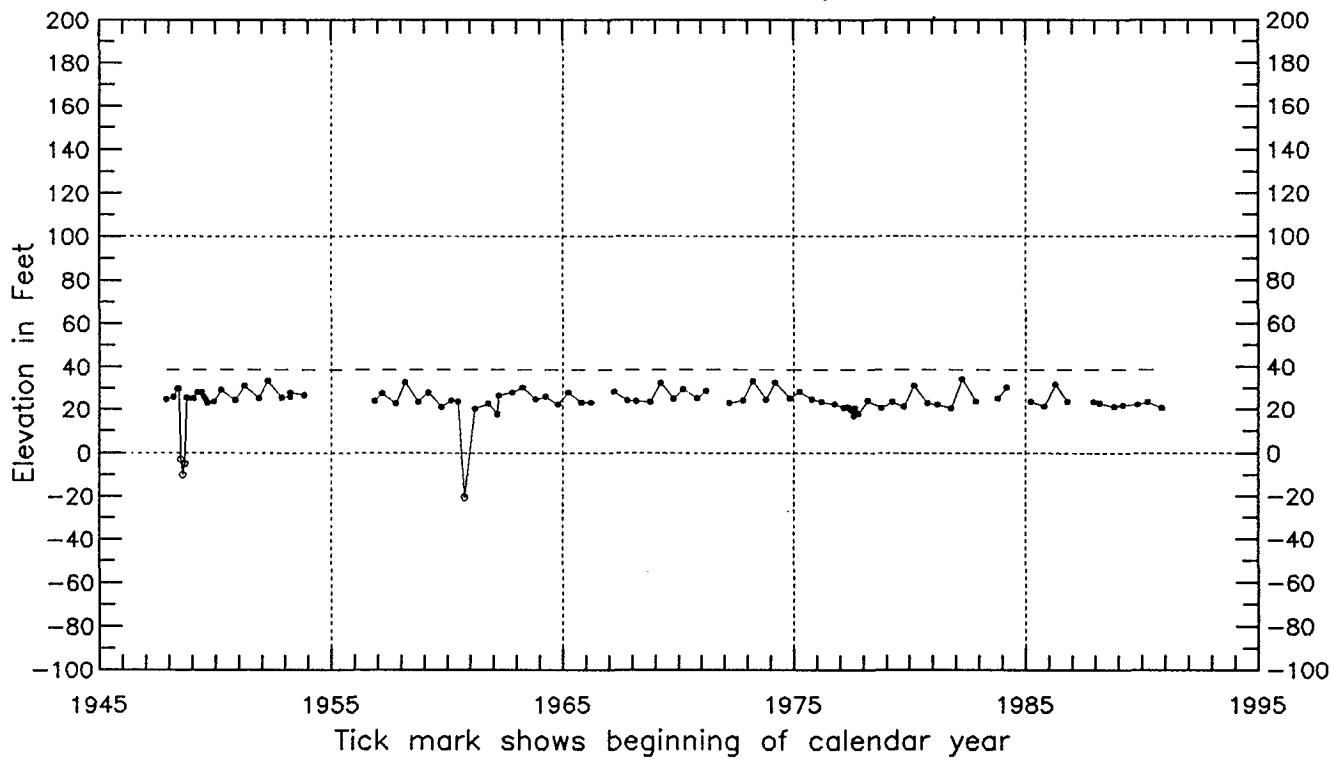
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All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 13N/04E-04H01M



GROUND WATER ELEVATIONS, 13N/04E-07E01M

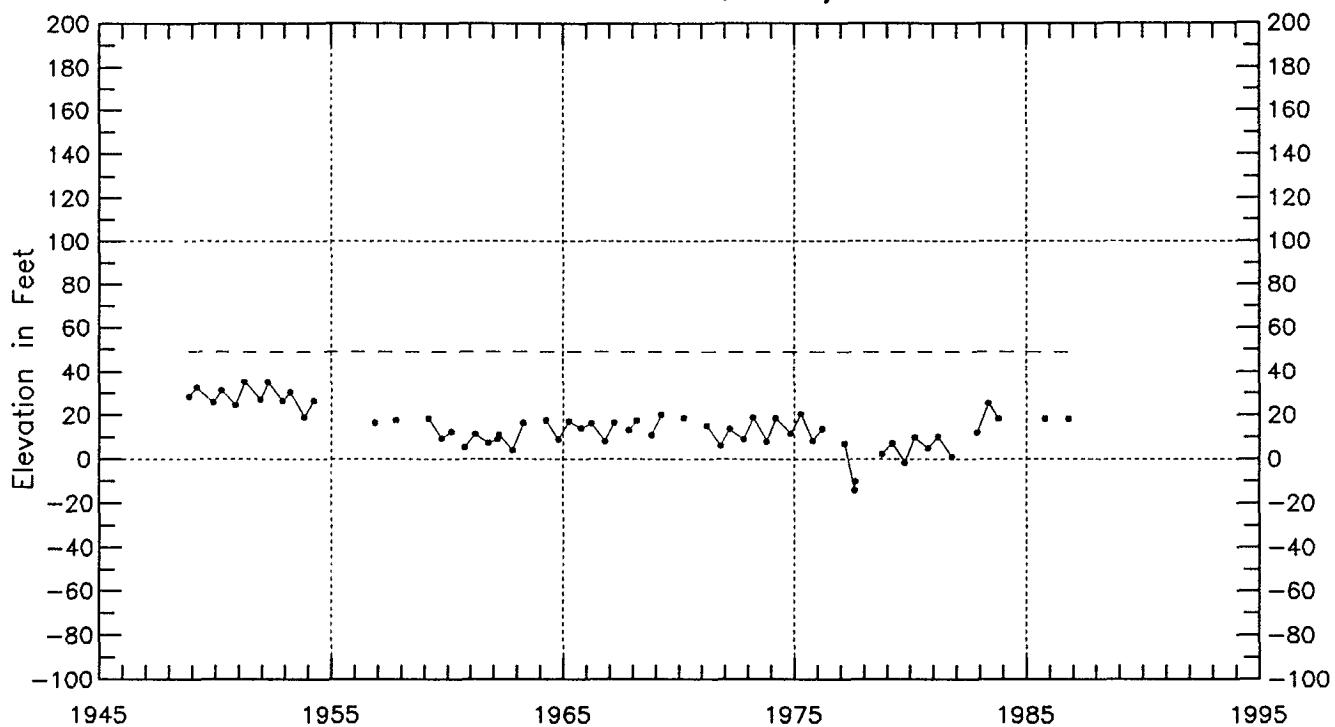


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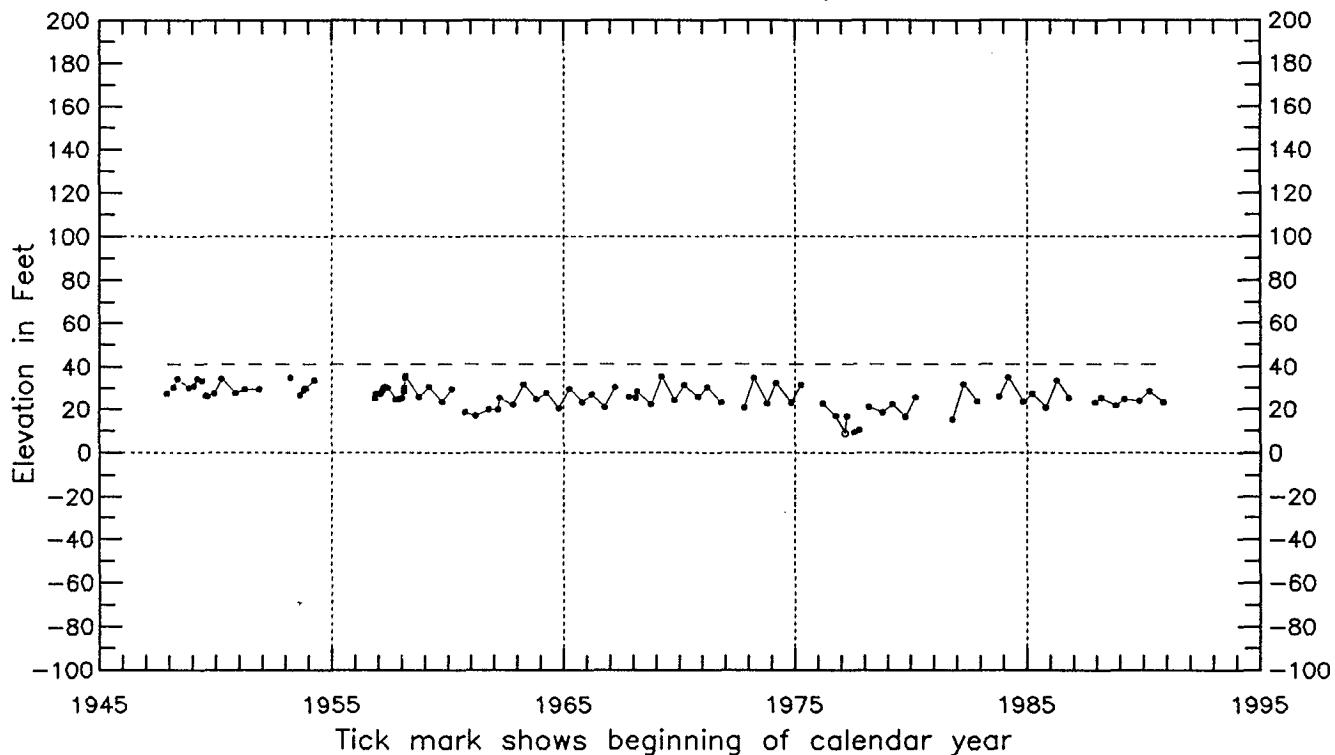
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All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 13N/04E-09R01M



GROUND WATER ELEVATIONS, 13N/04E-17P01M



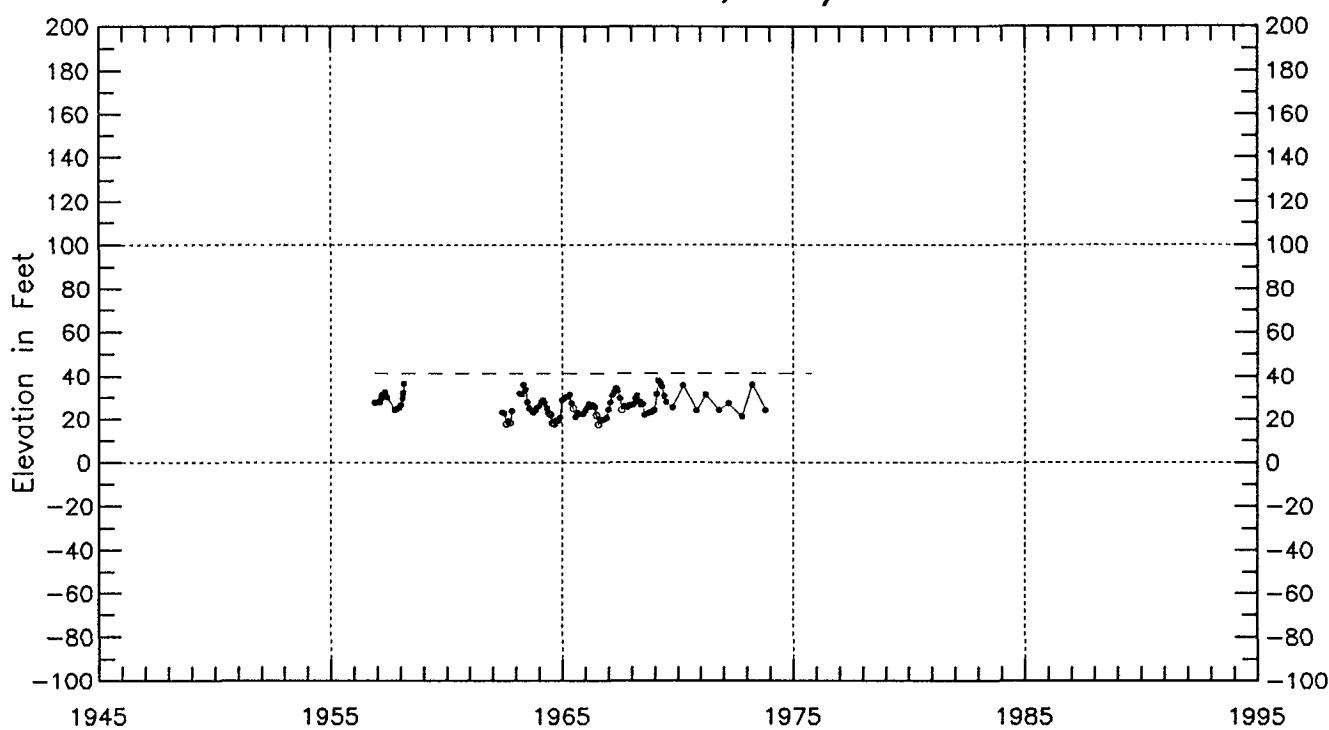
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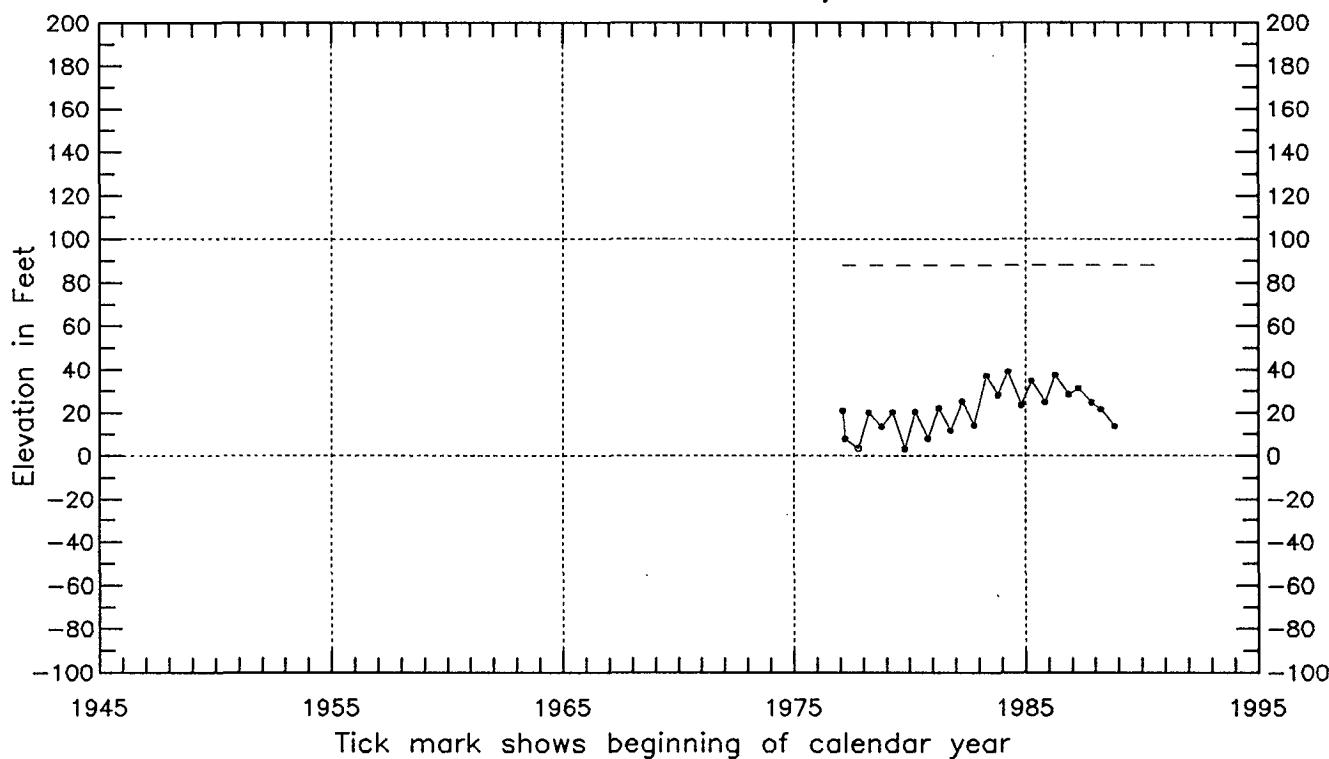
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All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

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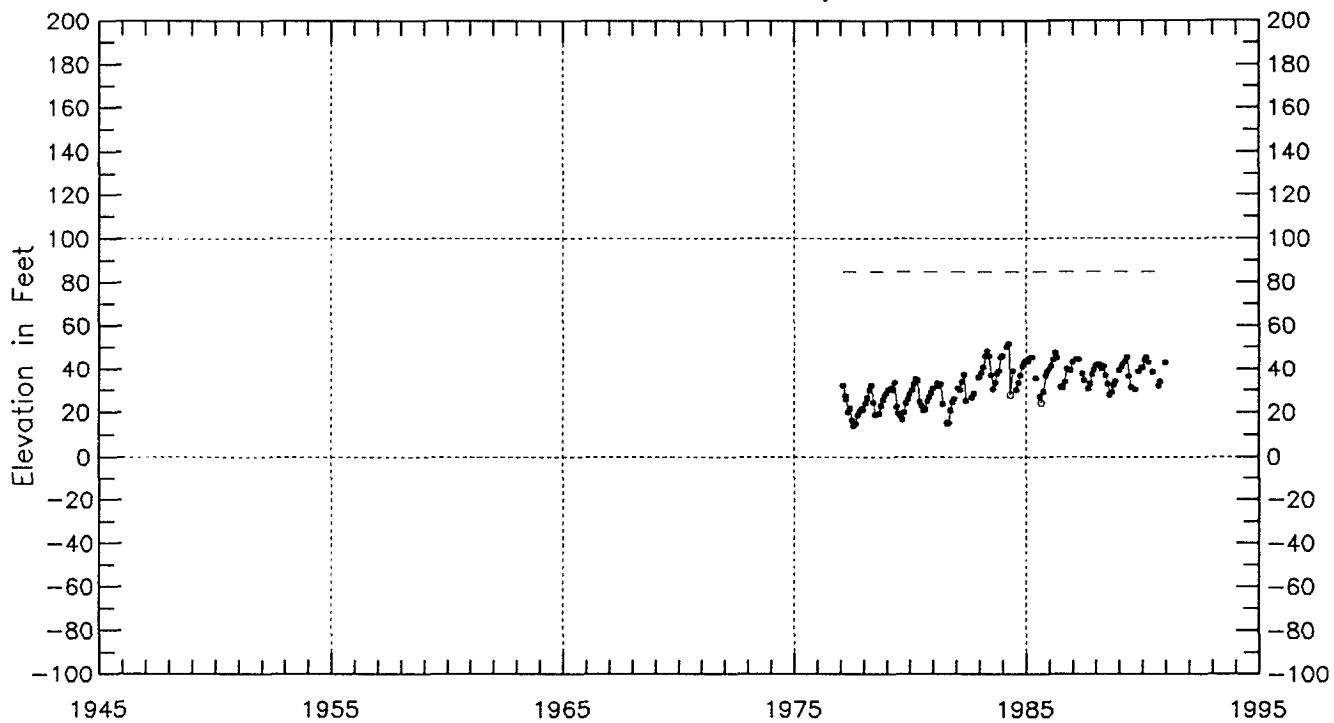
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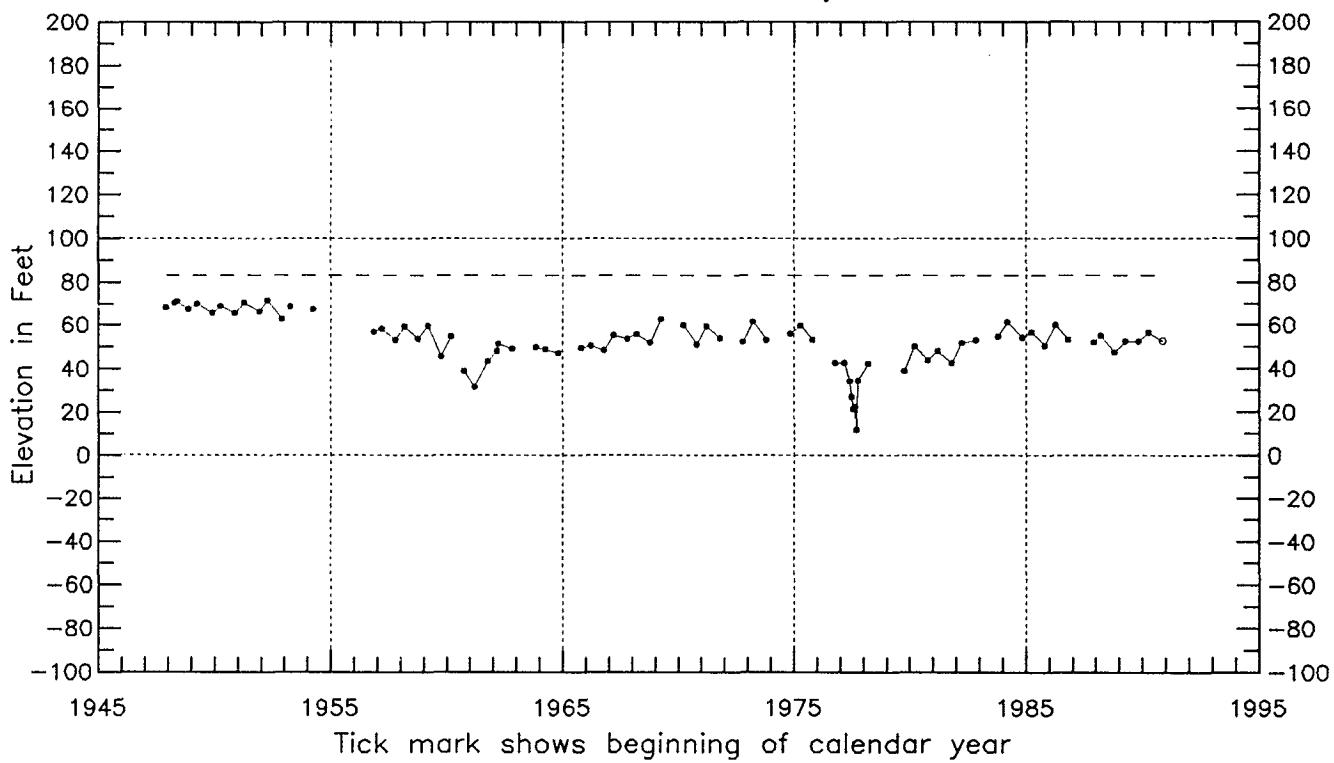
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All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

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GROUND WATER ELEVATIONS, 13N/05E-04J01M



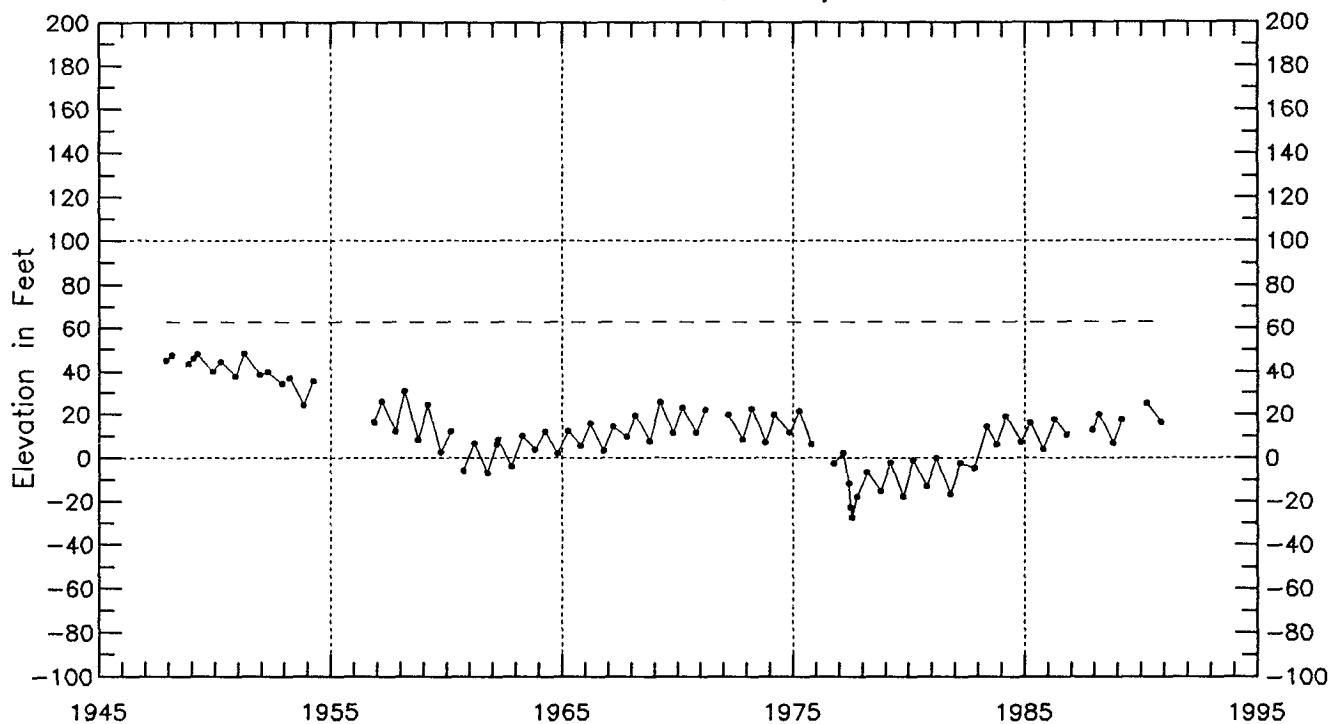
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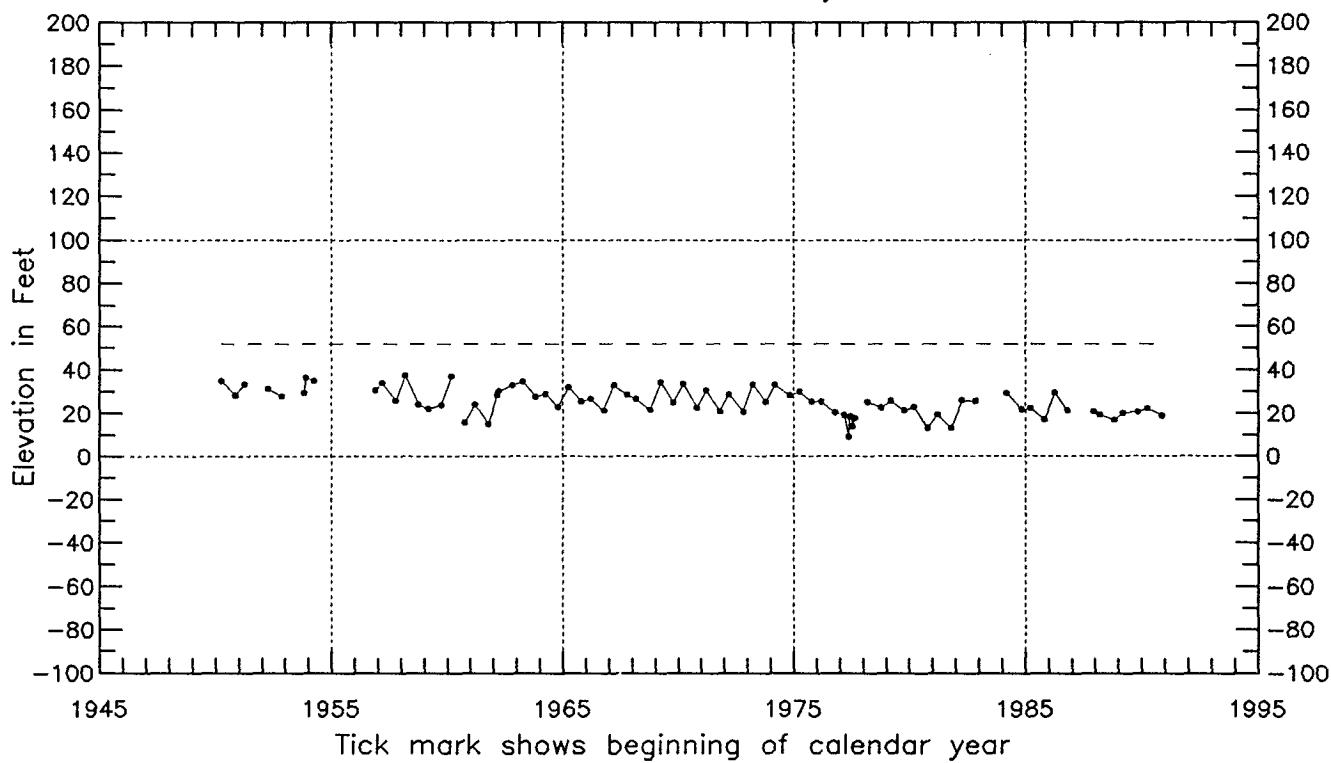
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All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 13N/05E-06E01M



GROUND WATER ELEVATIONS, 14N/03E-12F01M



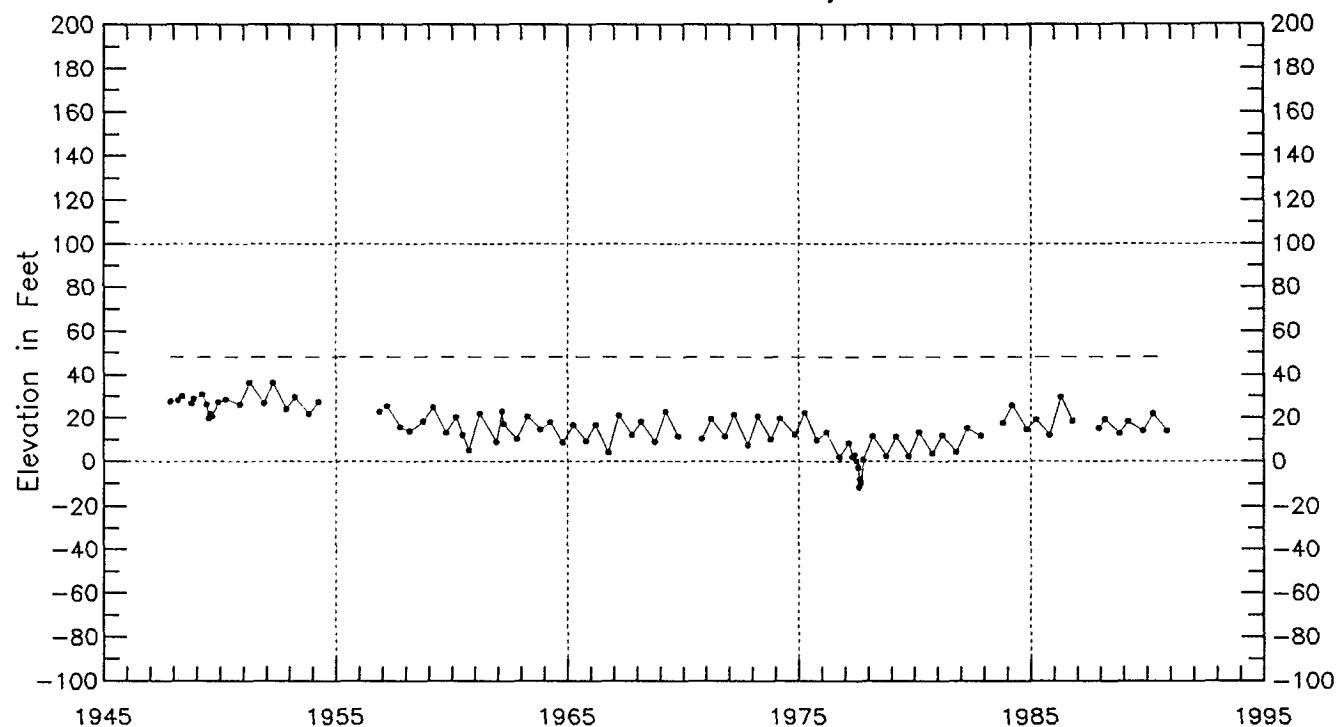
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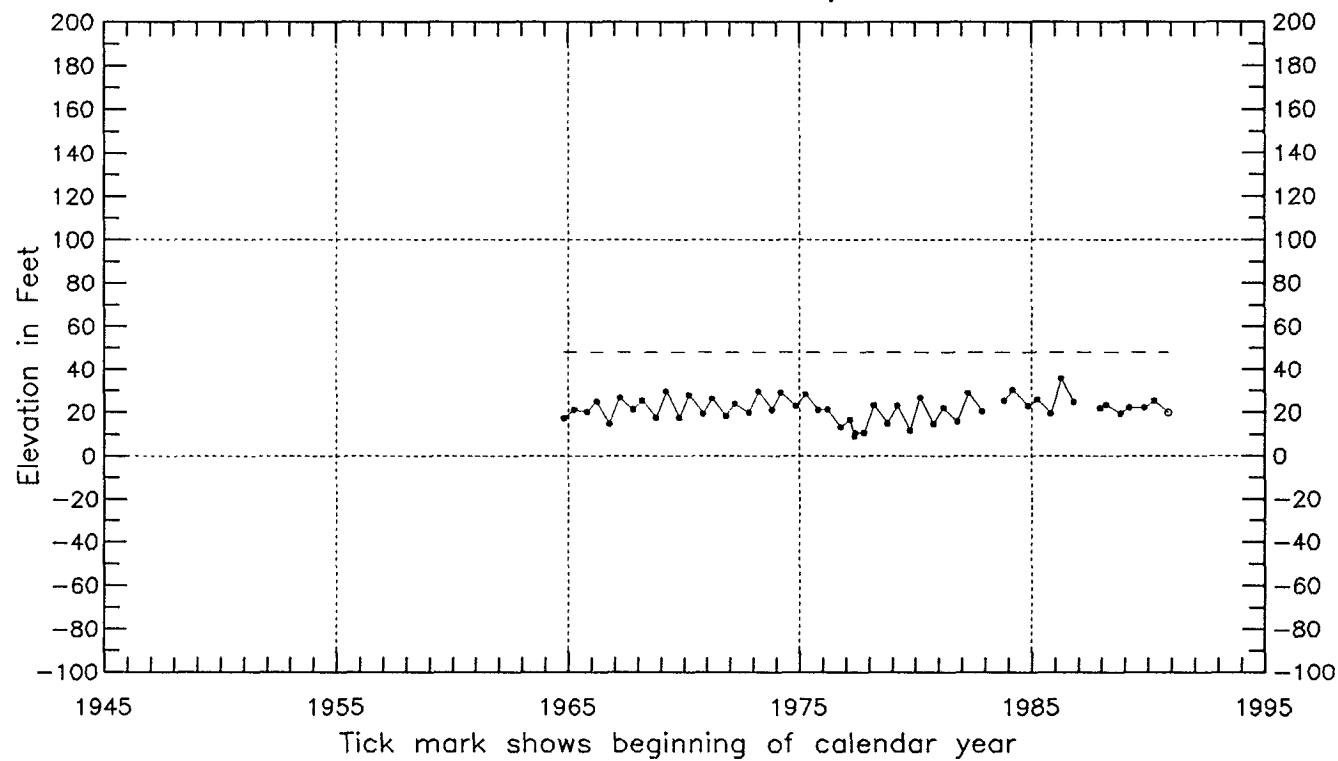
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All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

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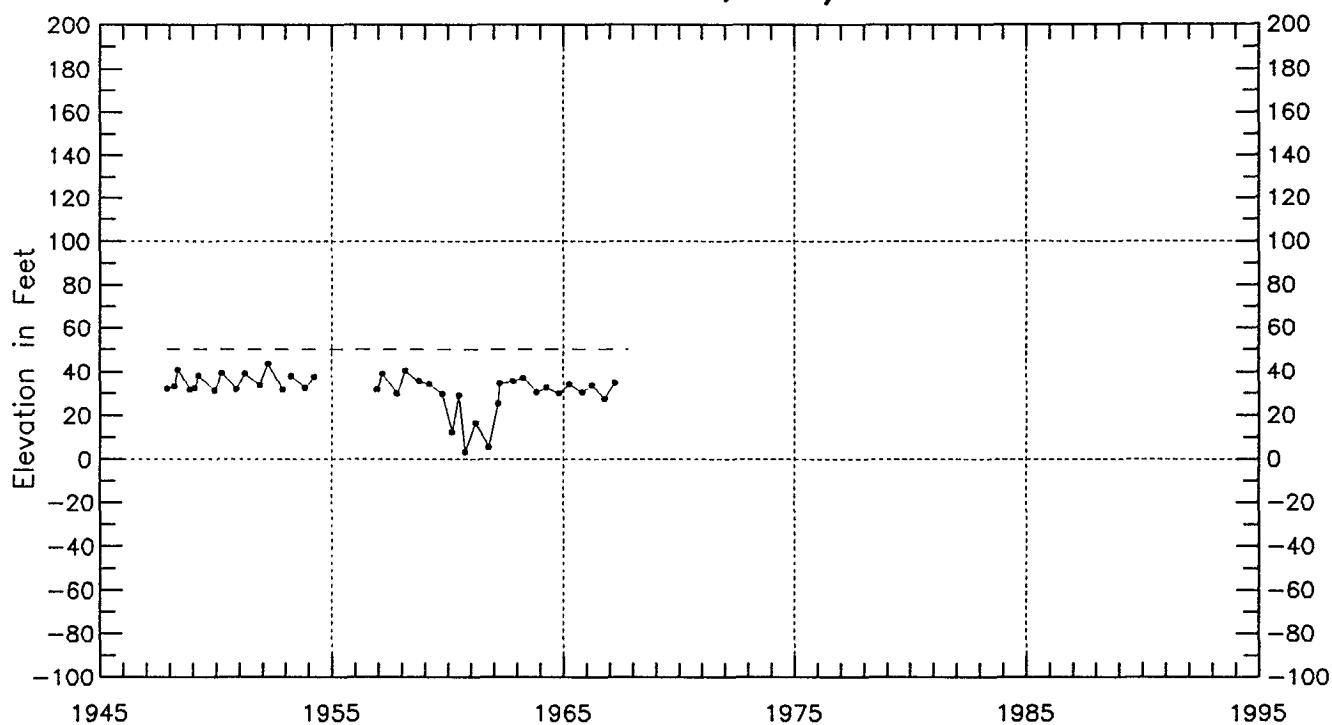
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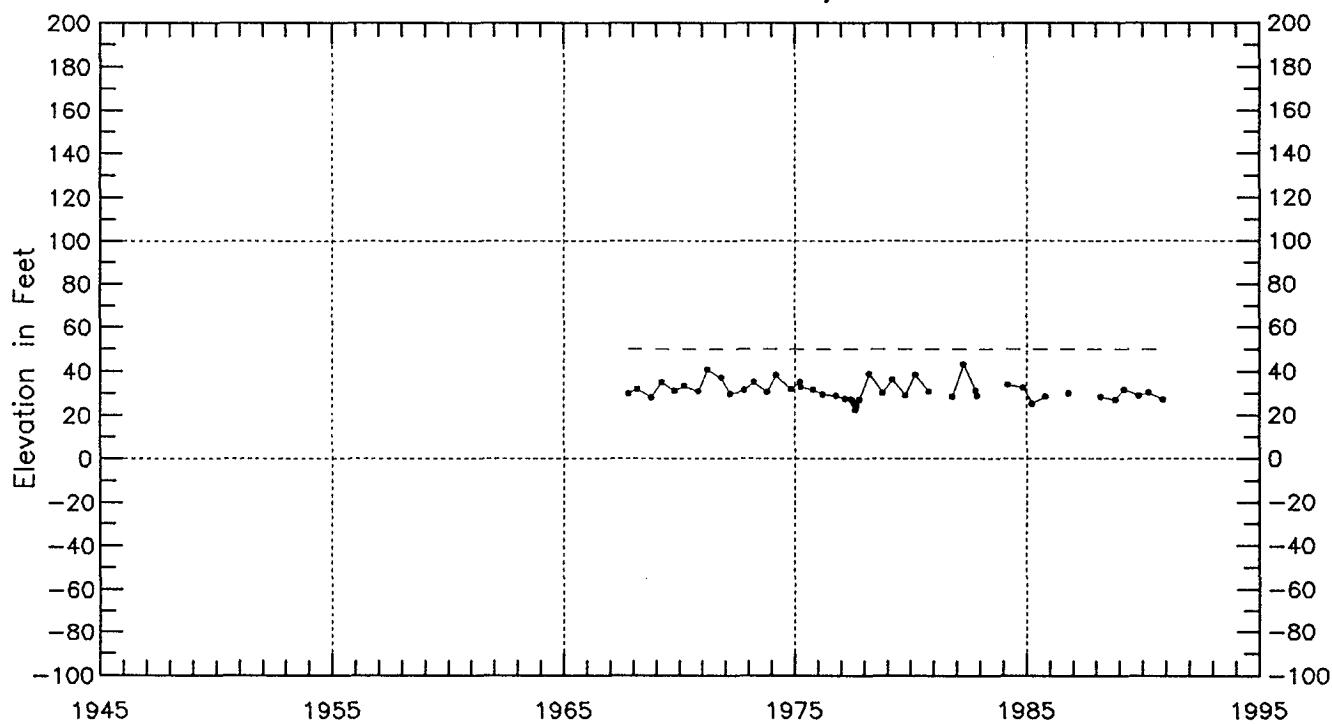
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All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

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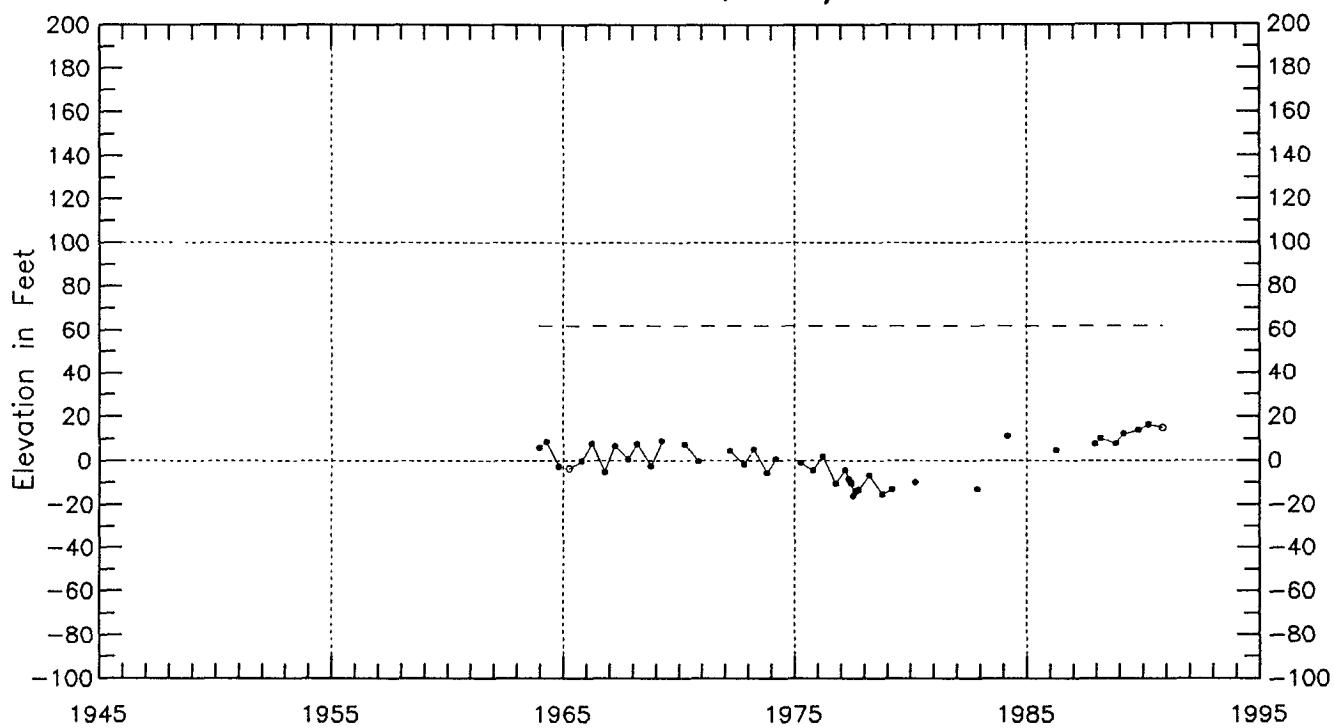
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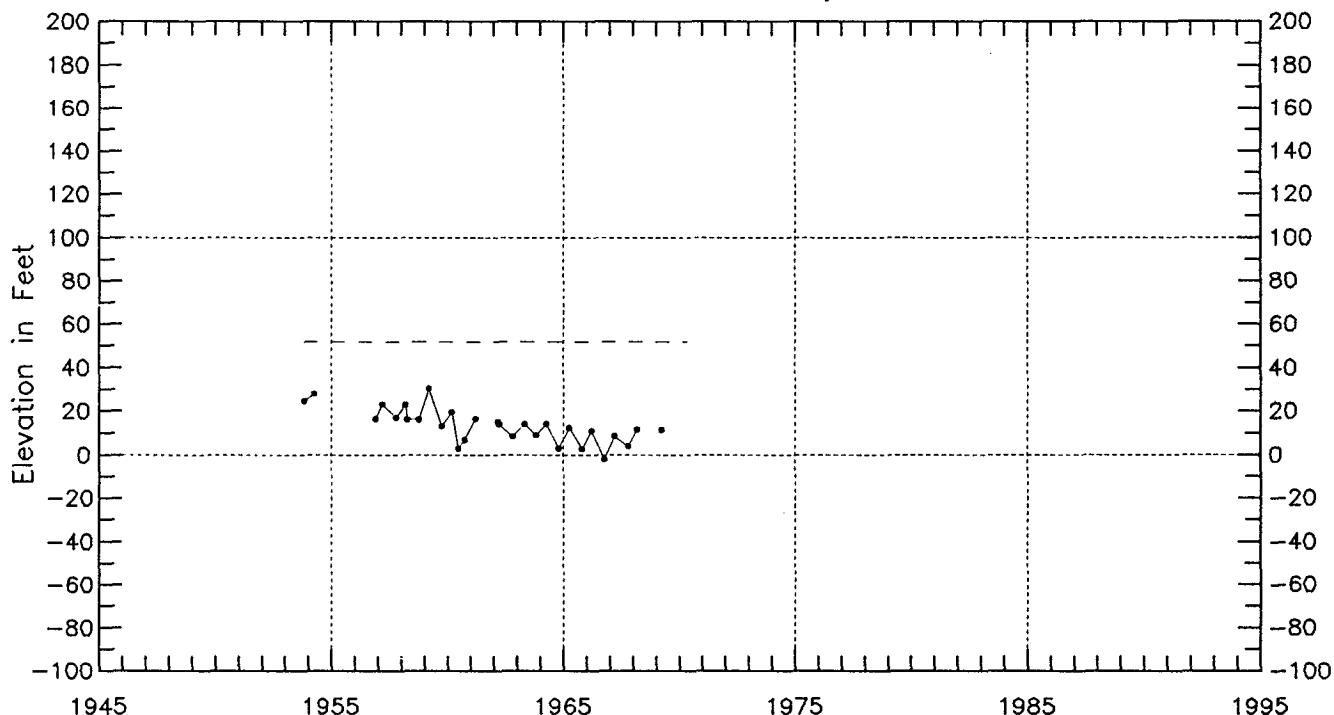
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All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

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GROUND WATER ELEVATIONS, 14N/04E-07A03M



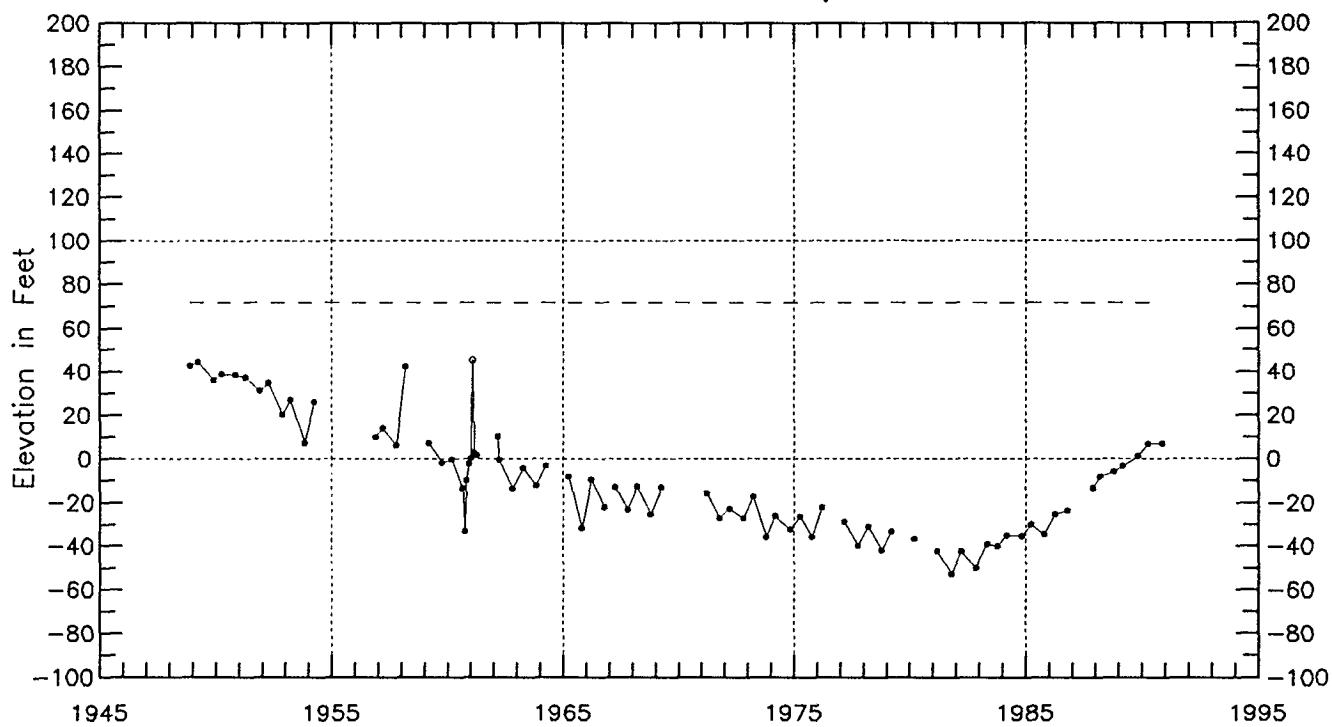
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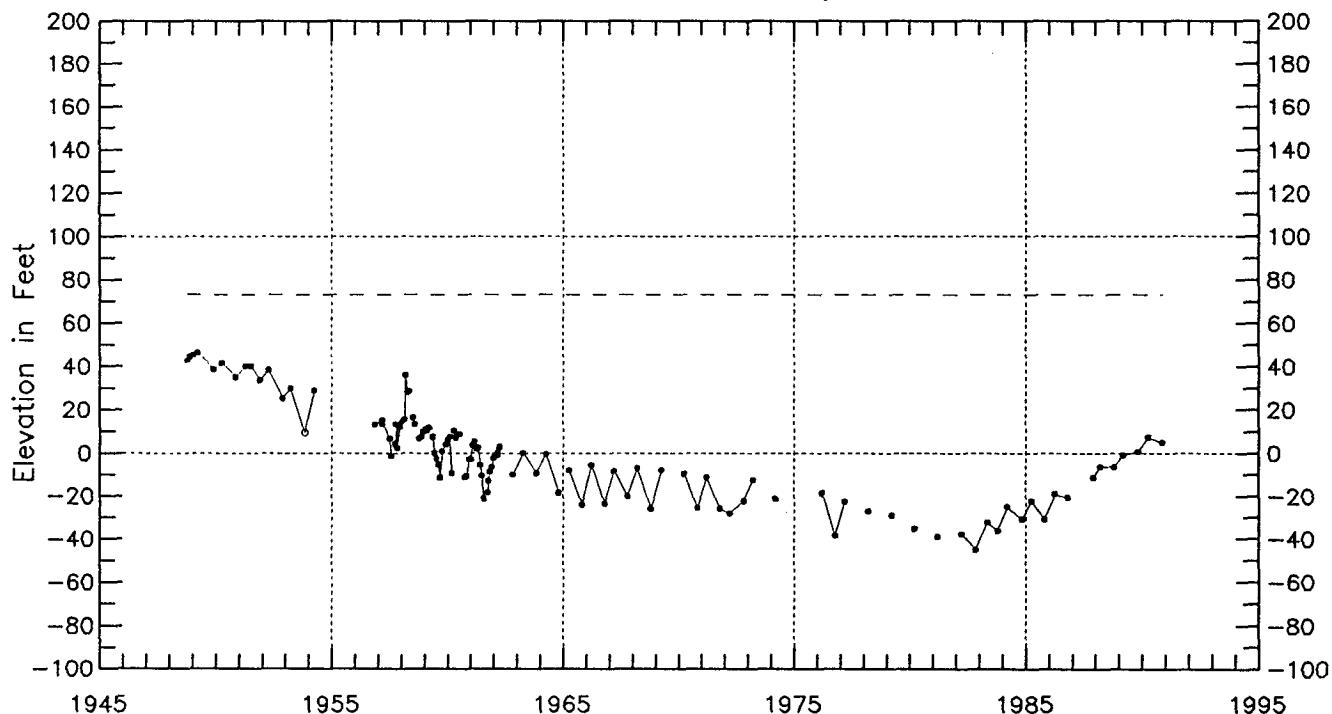
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All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 14N/04E-11H01M



GROUND WATER ELEVATIONS, 14N/04E-13C01M



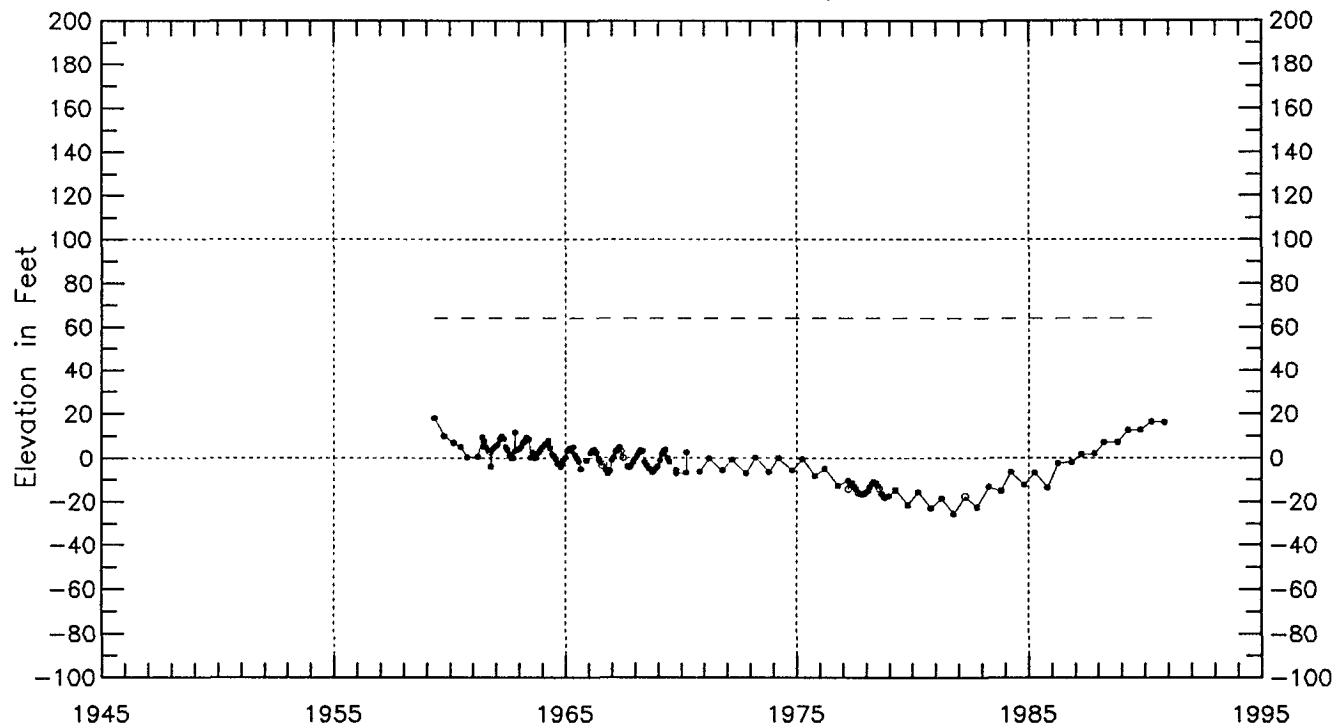
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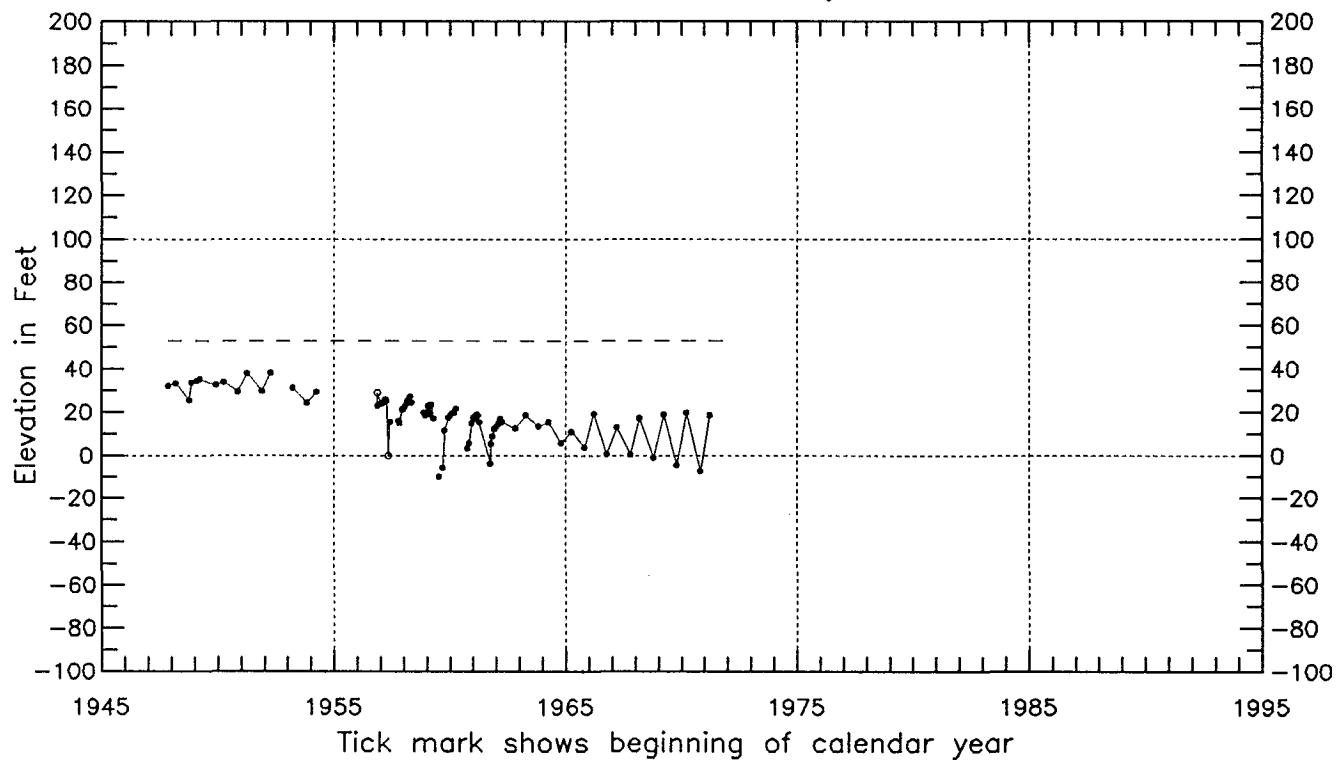
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All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 14N/04E-15C05M



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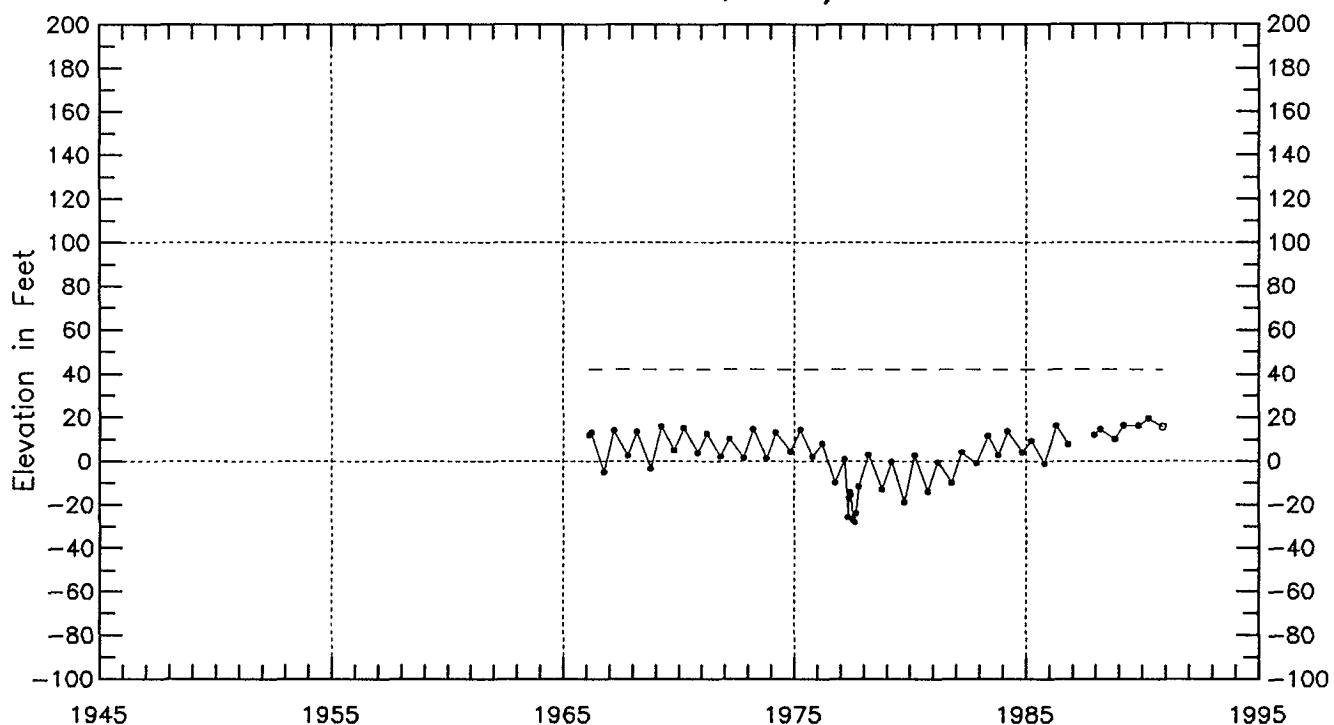


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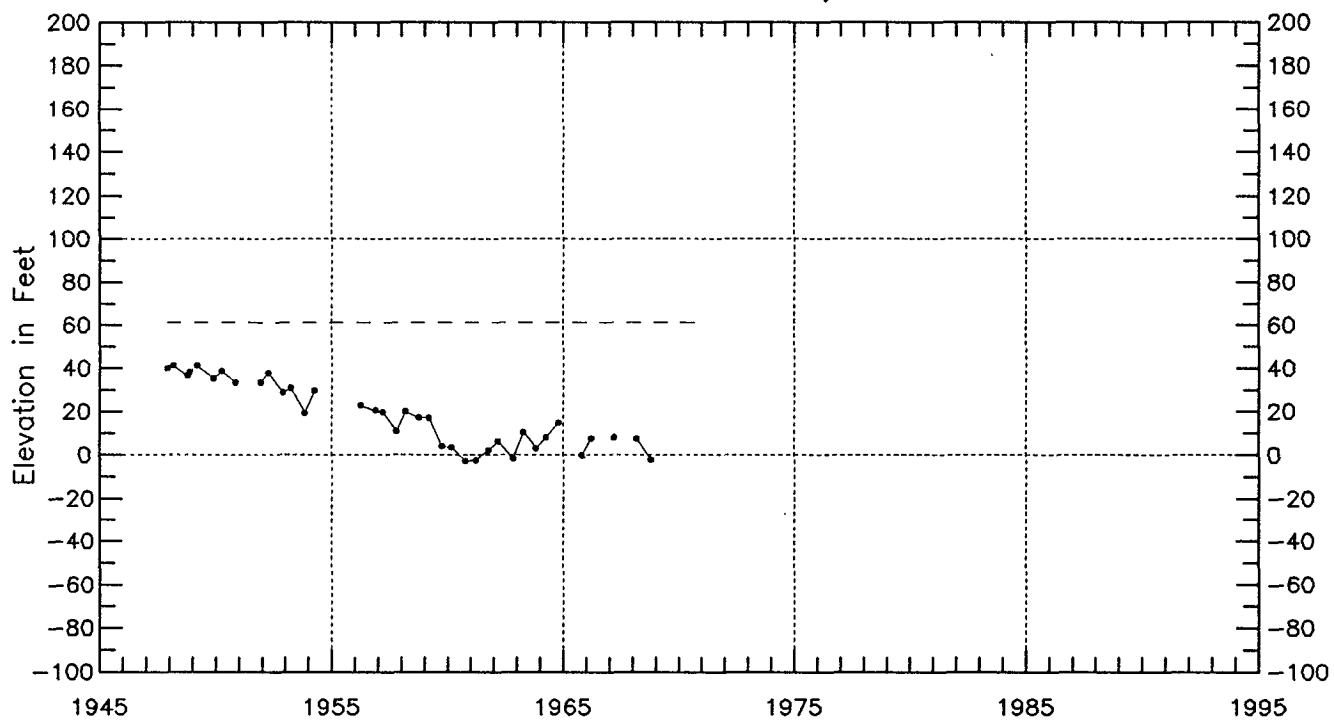
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All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

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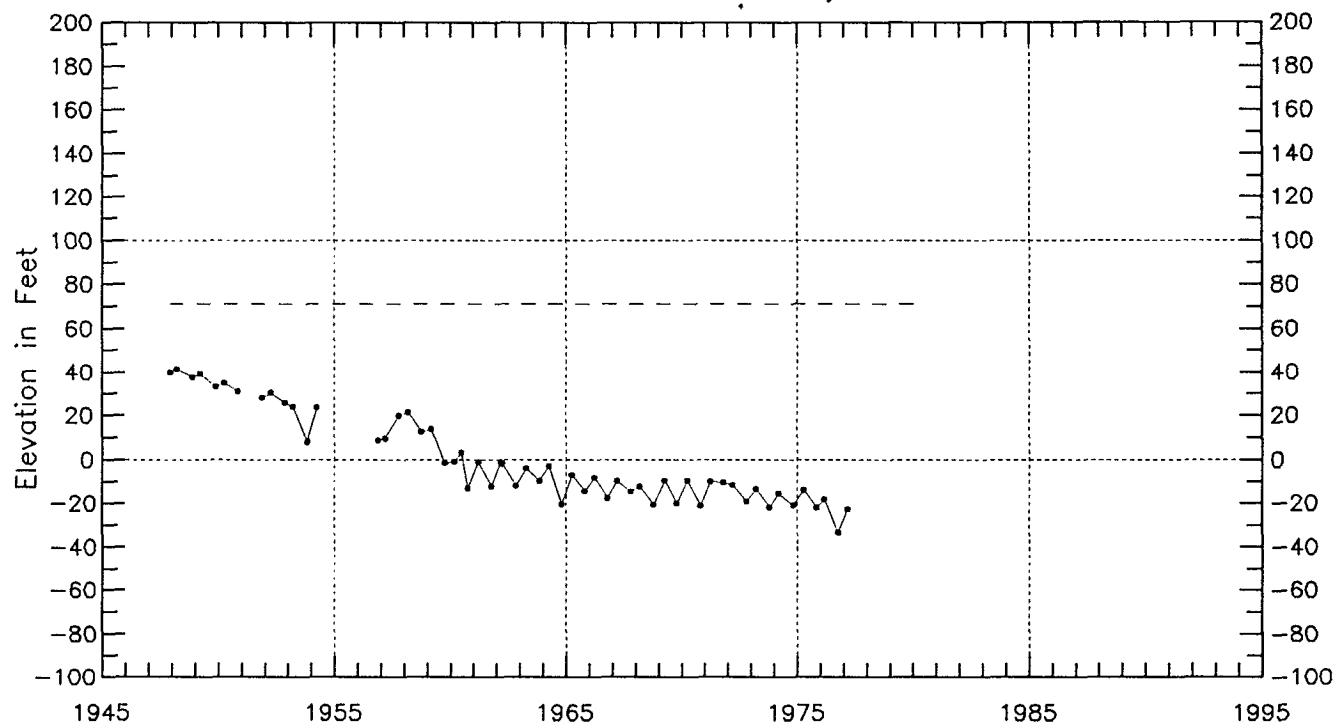
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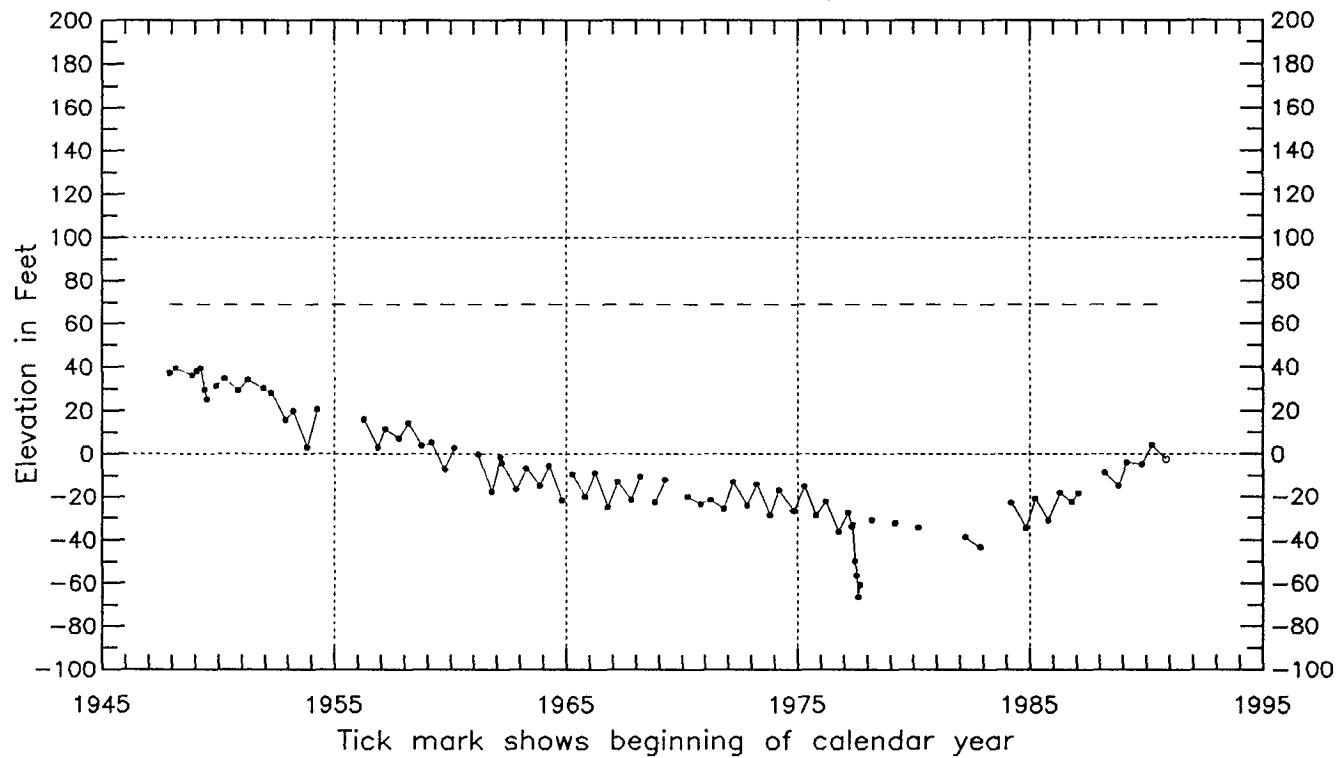
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All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

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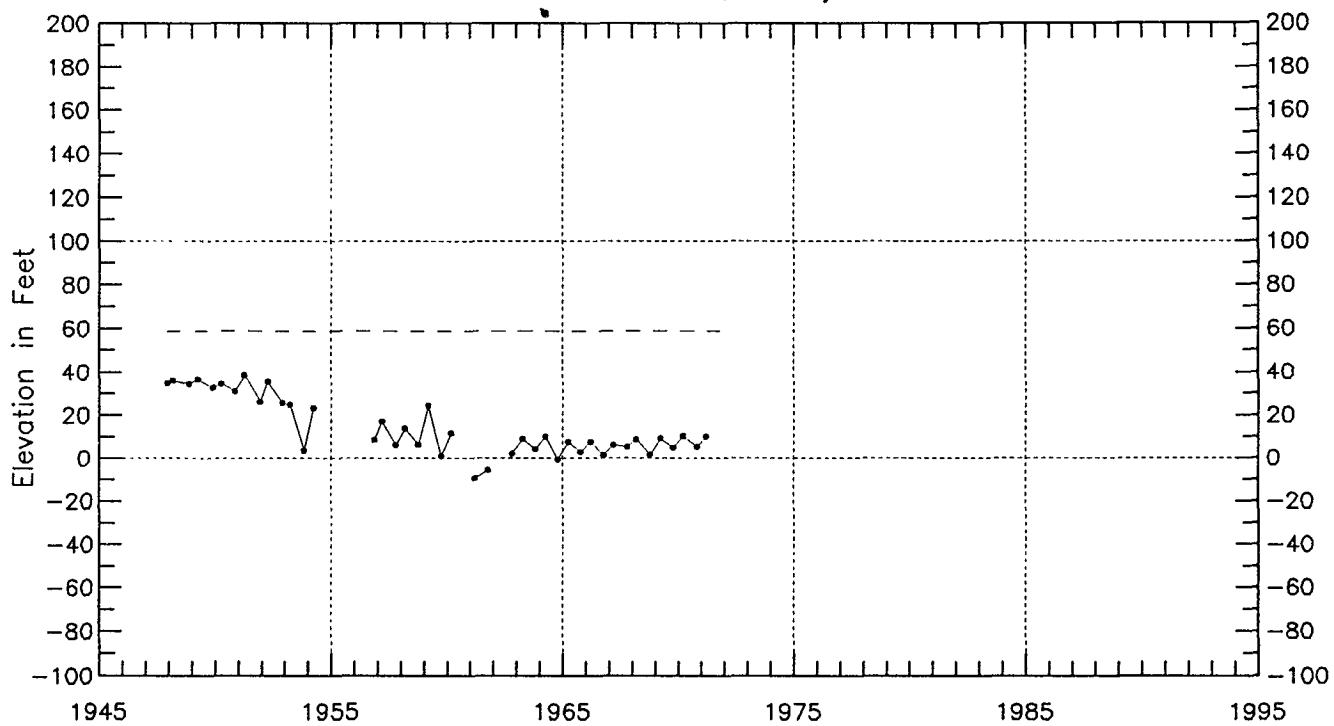


..... Water surface elevation in well
..... Questionable measurement

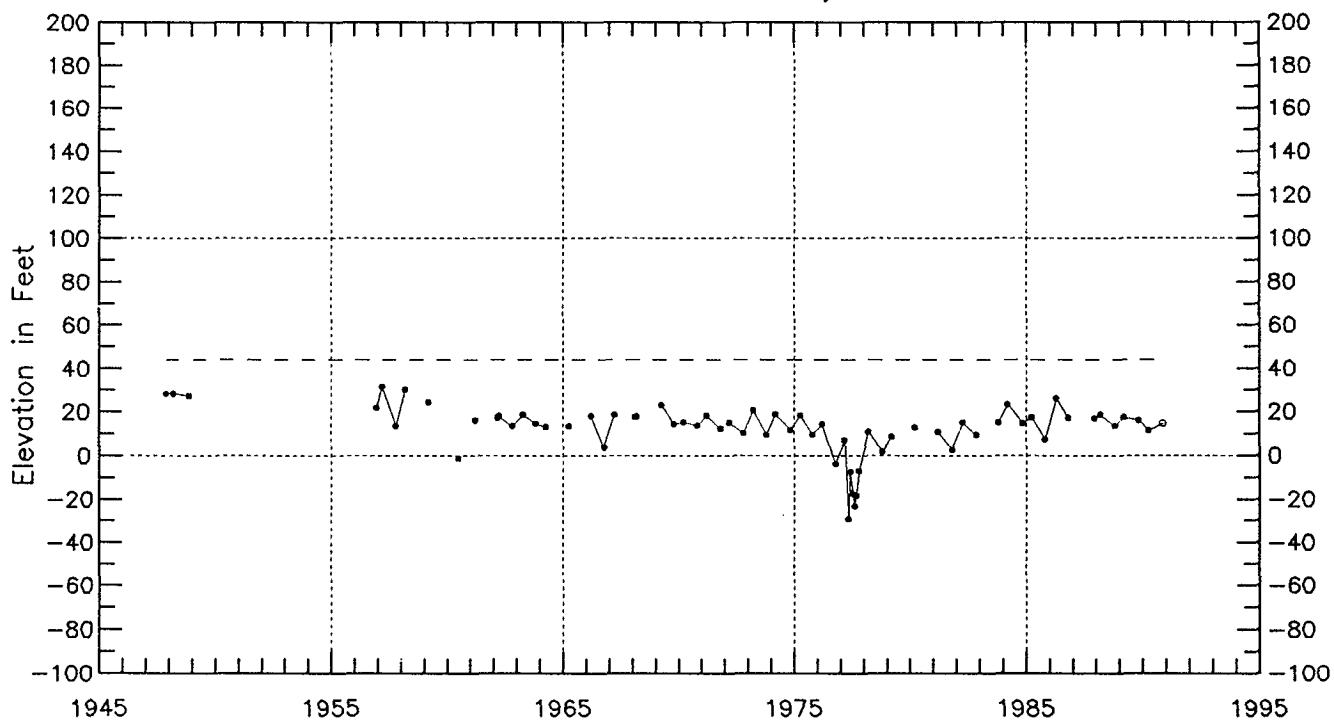
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 14N/04E-28R01M



GROUND WATER ELEVATIONS, 14N/04E-30F01M



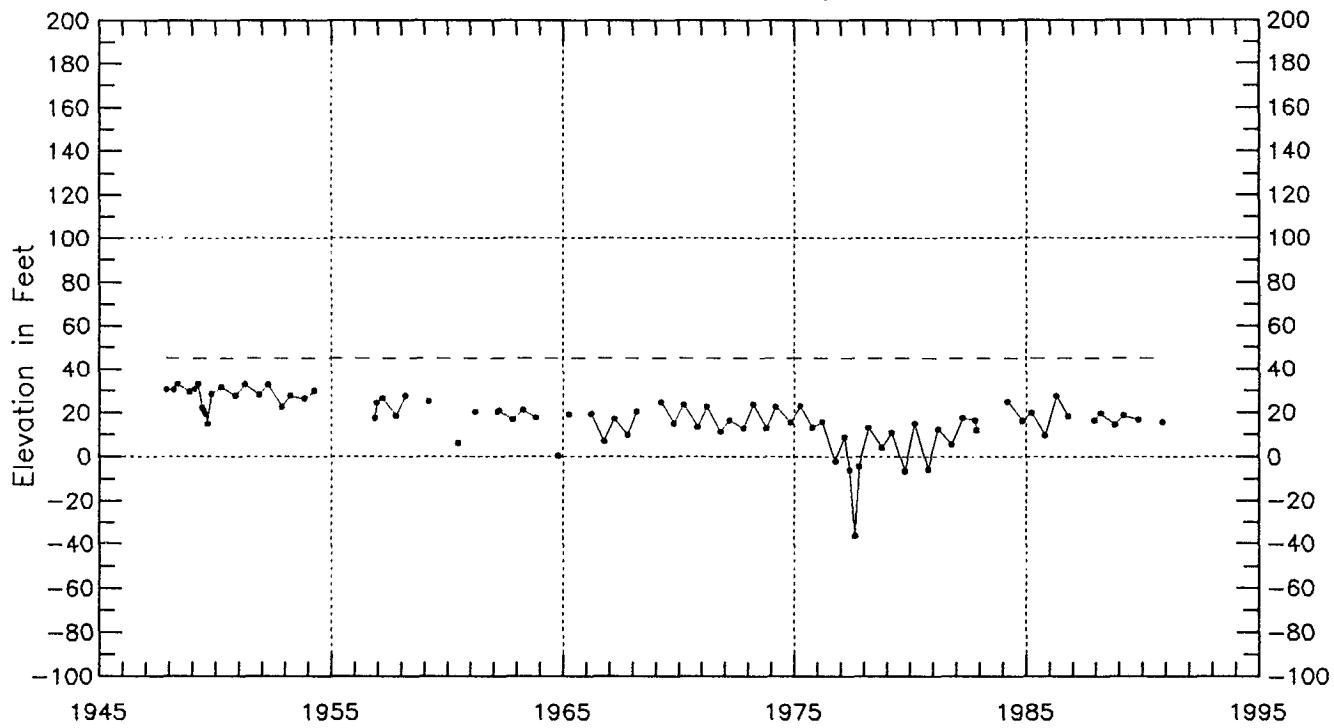
Tick mark shows beginning of calendar year

•••• Water surface elevation in well
○○○○ Questionable measurement

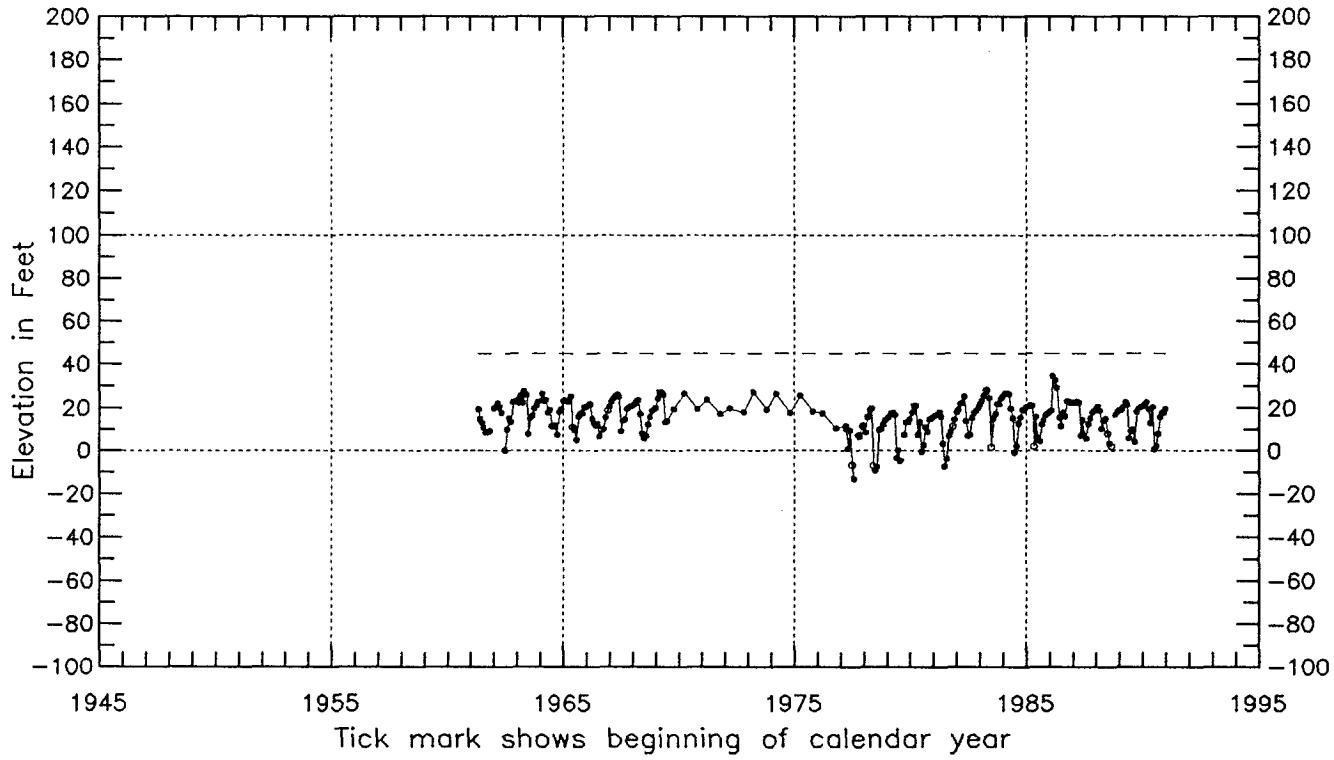
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 14N/04E-30K01M



GROUND WATER ELEVATIONS, 14N/04E-30N01M



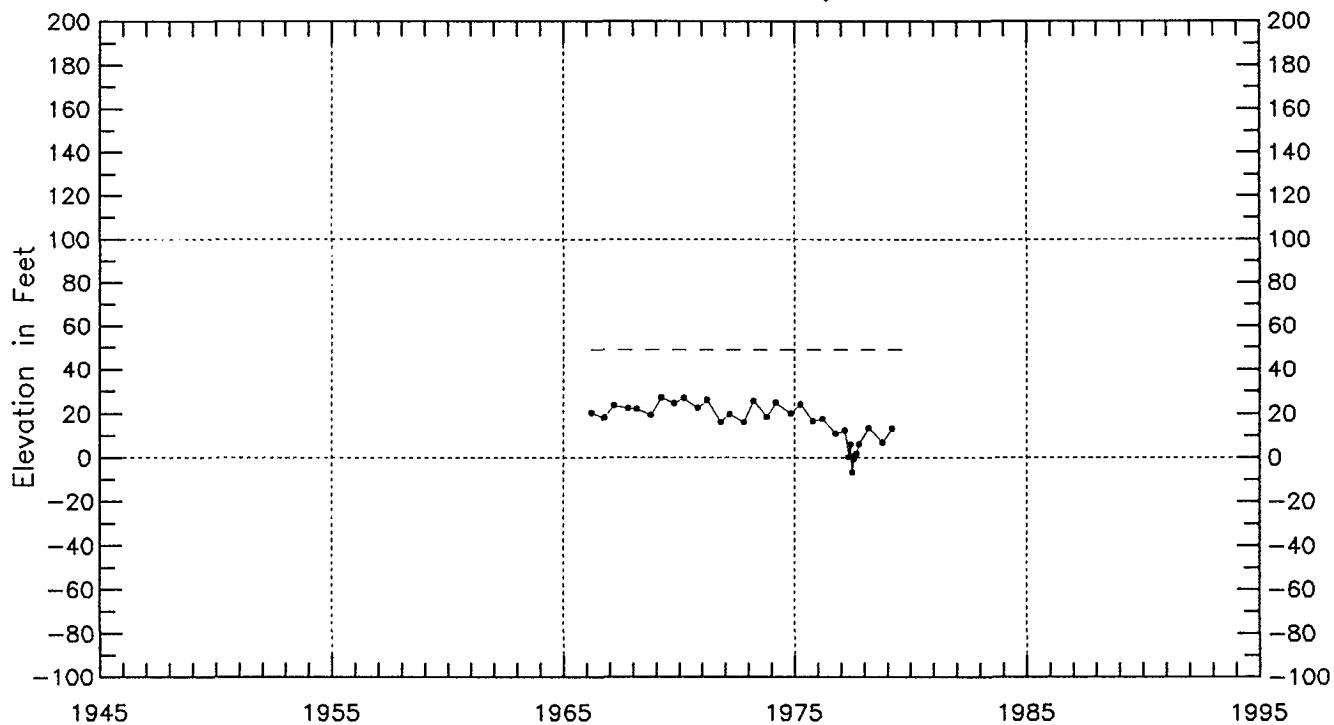
Tick mark shows beginning of calendar year

•••• Water surface elevation in well
○○○○ Questionable measurement

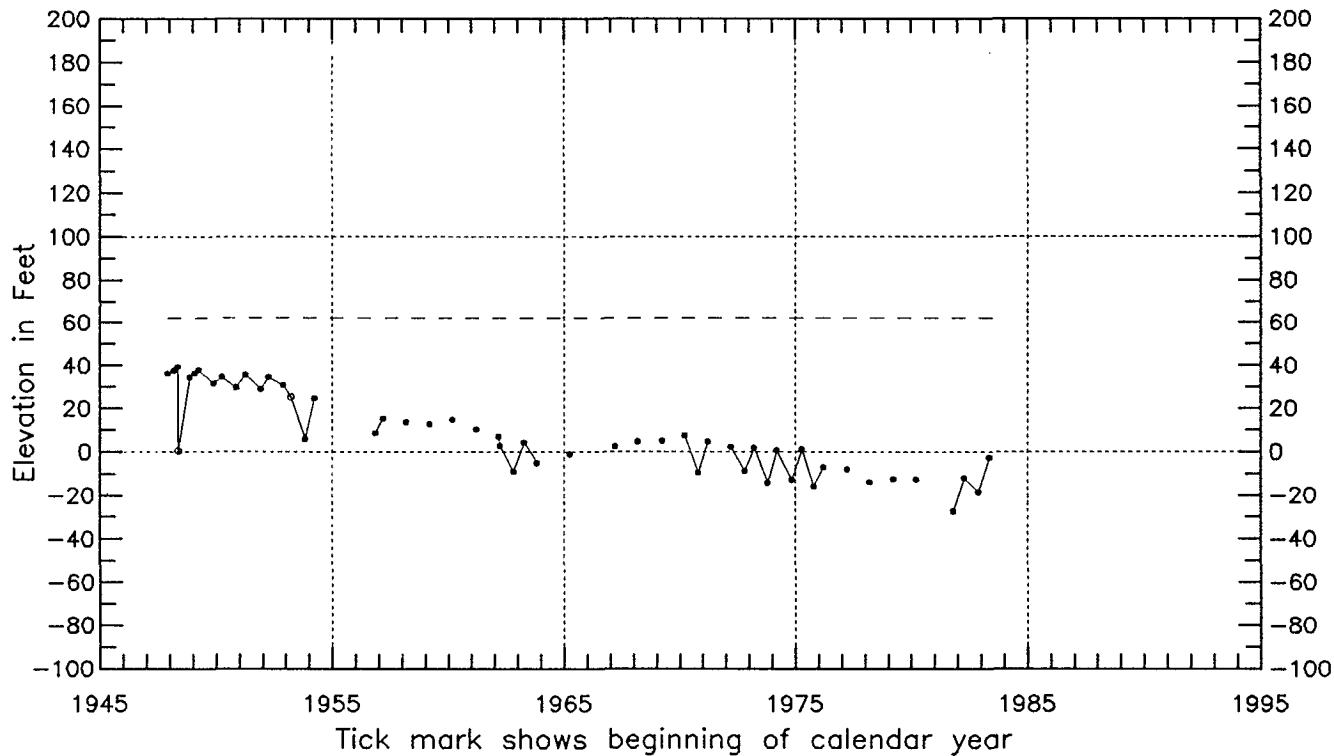
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 14N/04E-32M01M



GROUND WATER ELEVATIONS, 14N/04E-35N01M

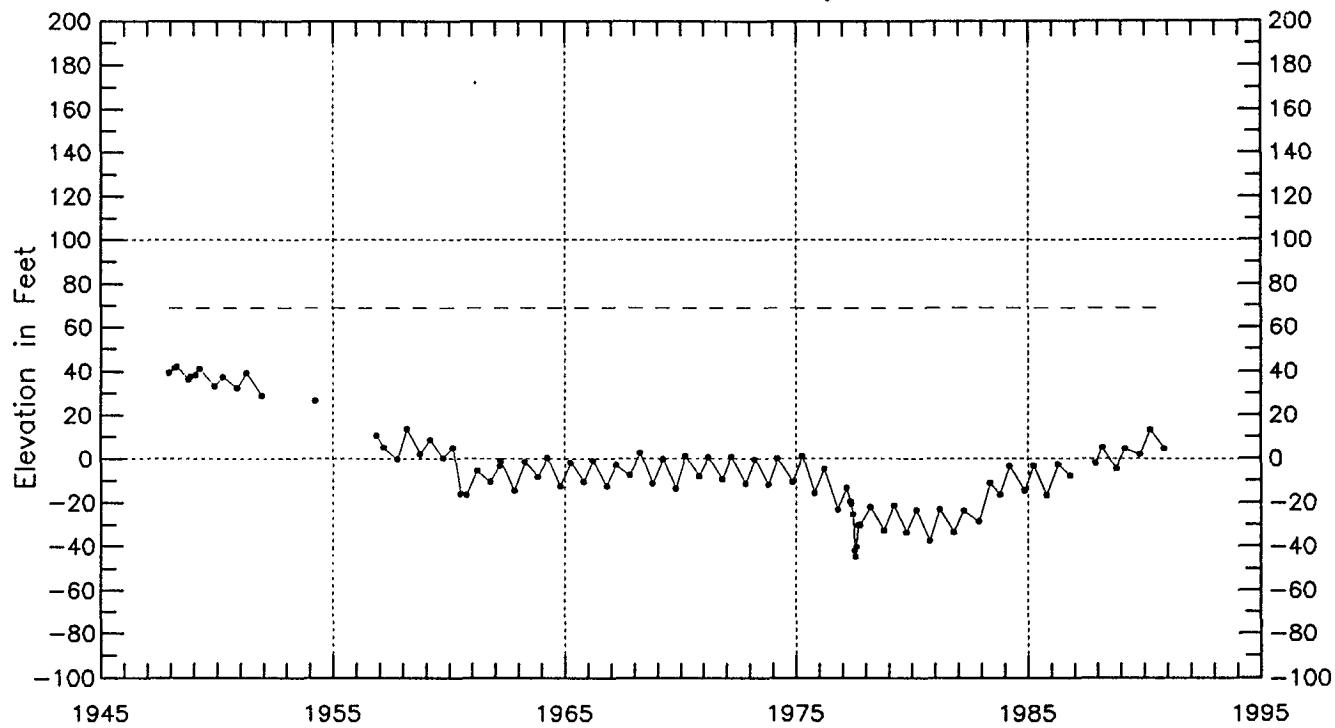


•••• Water surface elevation in well
•••• Questionable measurement

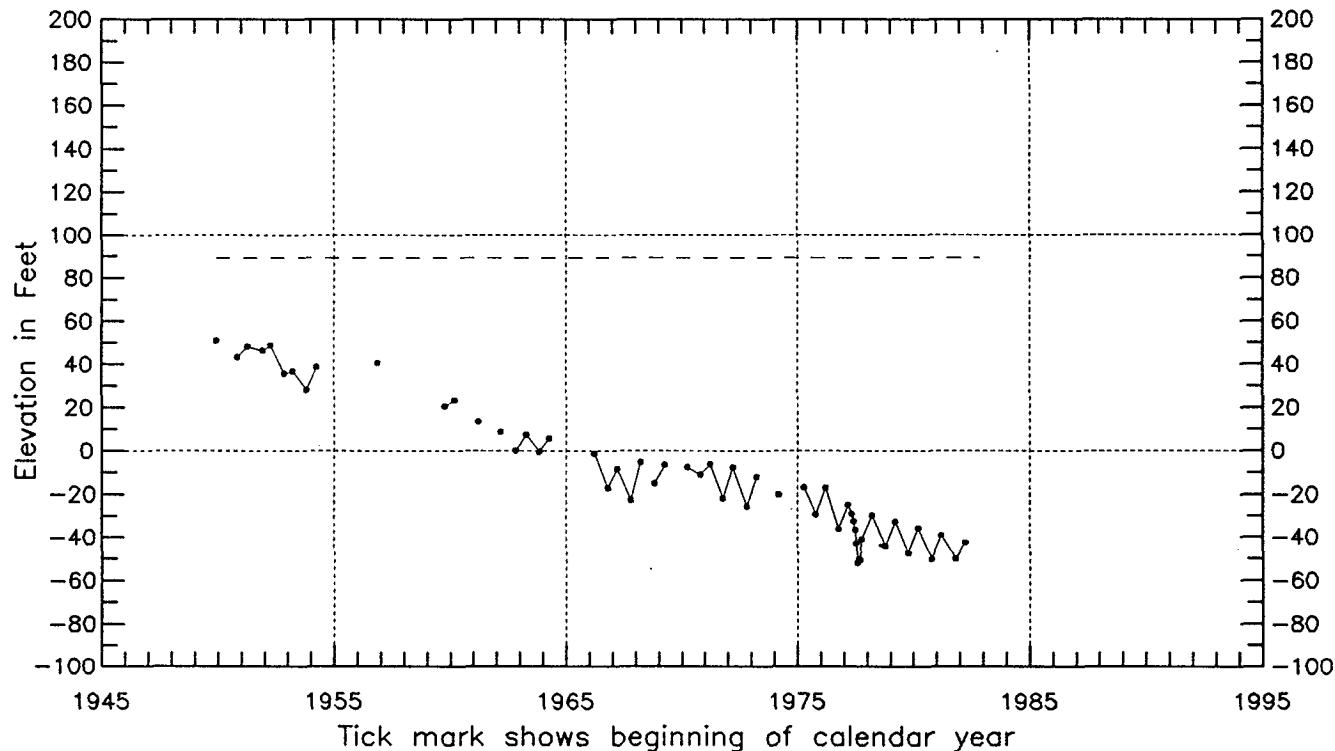
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 14N/04E-36G01M



GROUND WATER ELEVATIONS, 14N/05E-05A01M

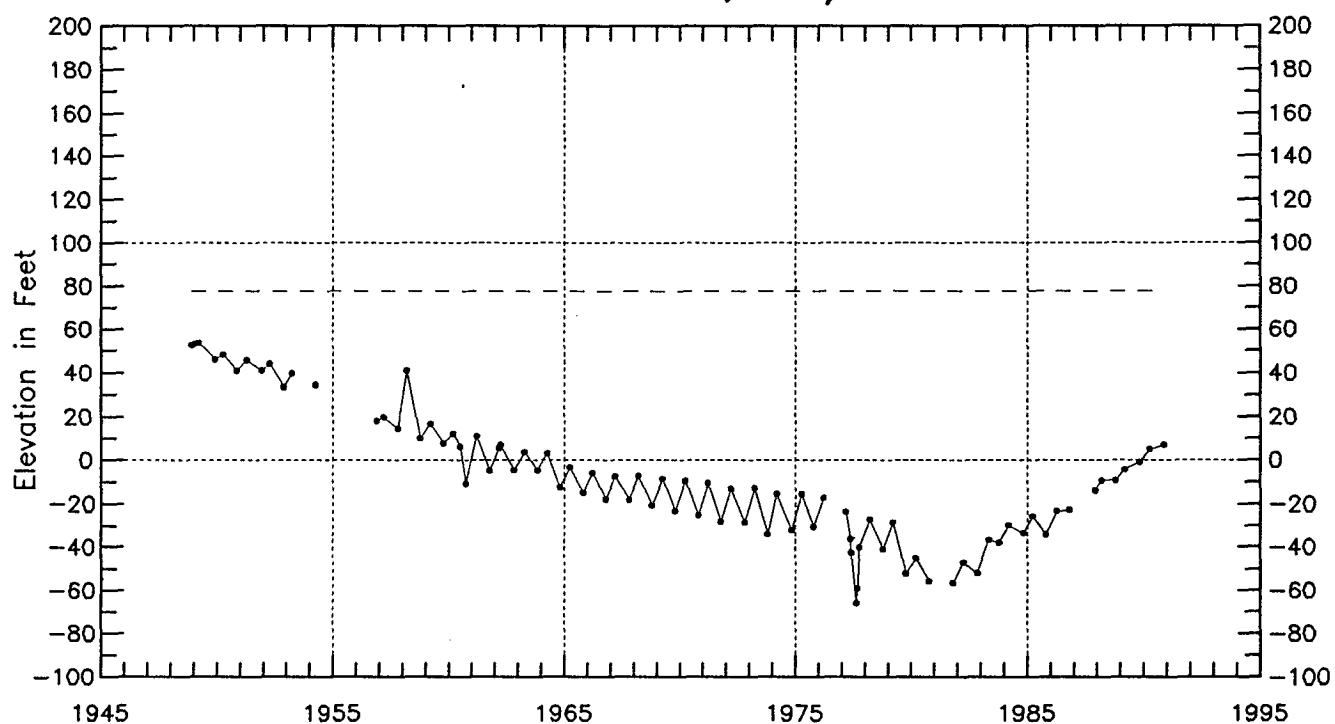


•••• Water surface elevation in well
•••• Questionable measurement

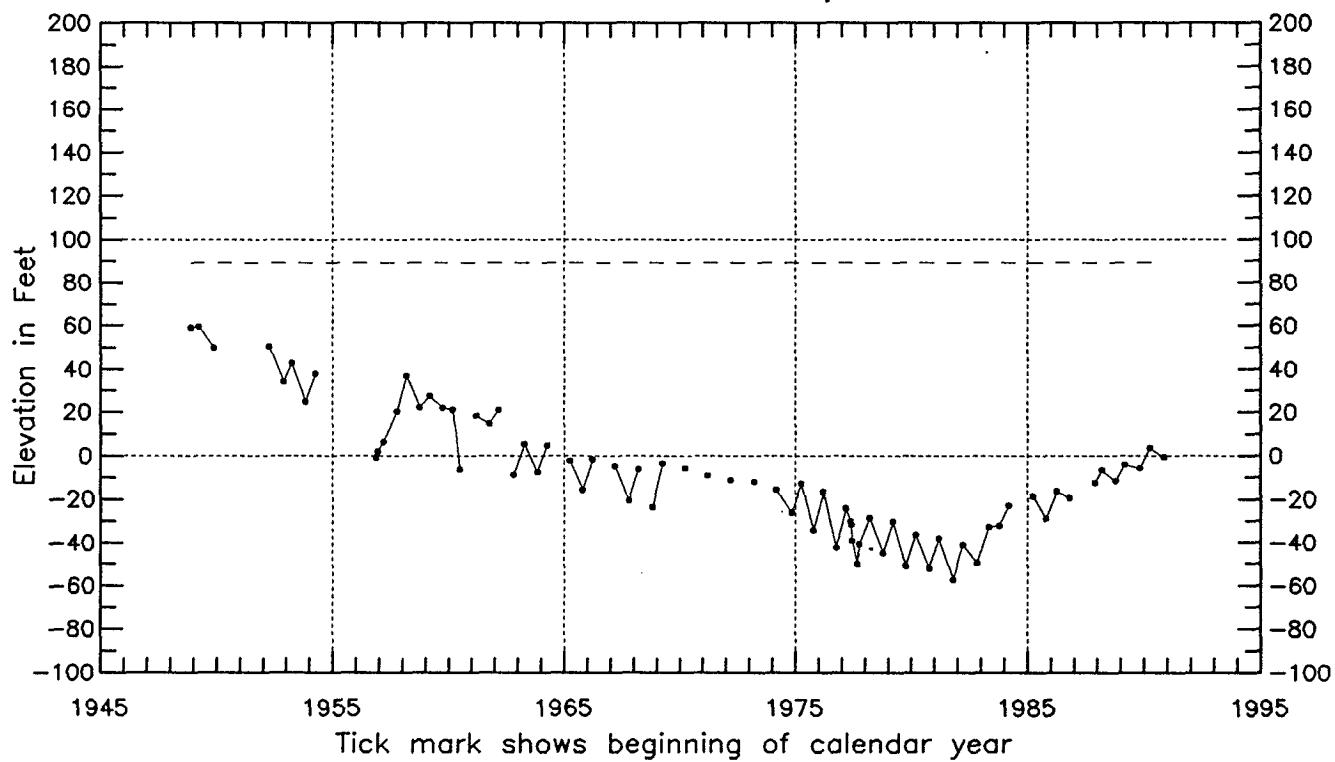
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 14N/05E-06B01M



GROUND WATER ELEVATIONS, 14N/05E-08R01M

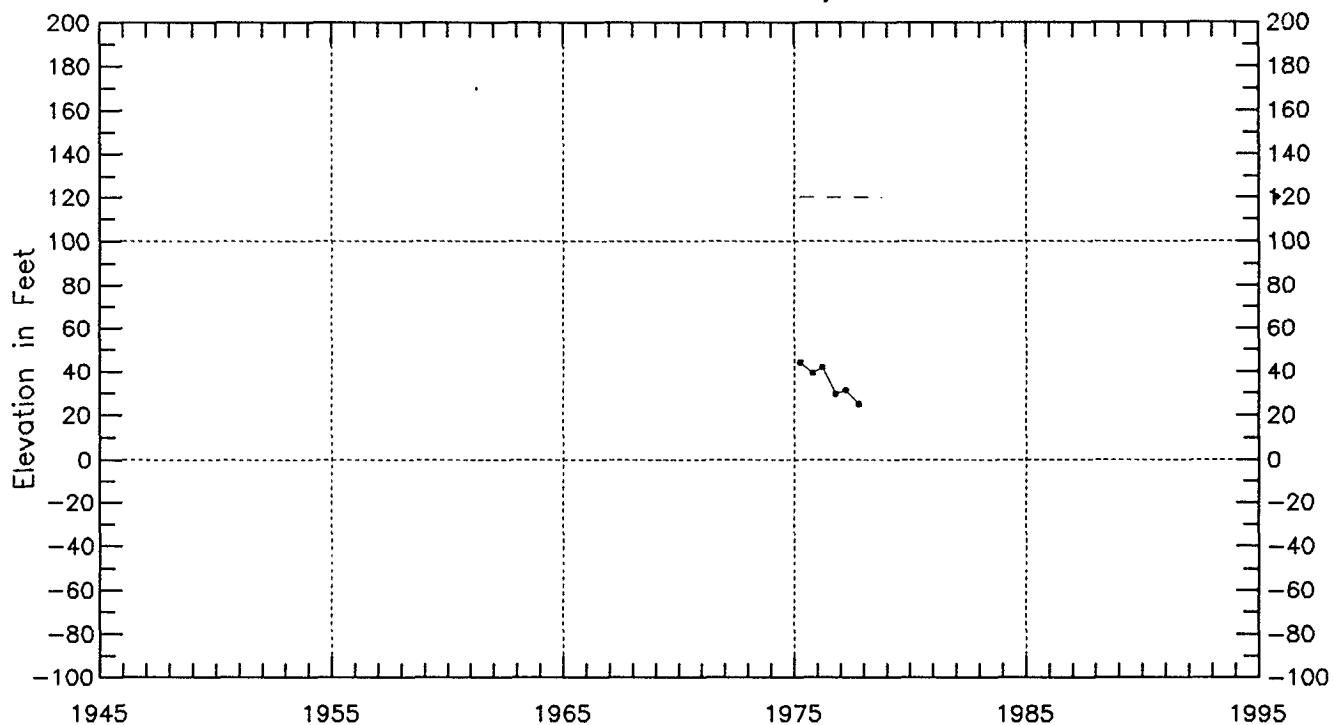


•••• Water surface elevation in well
○○○○ Questionable measurement

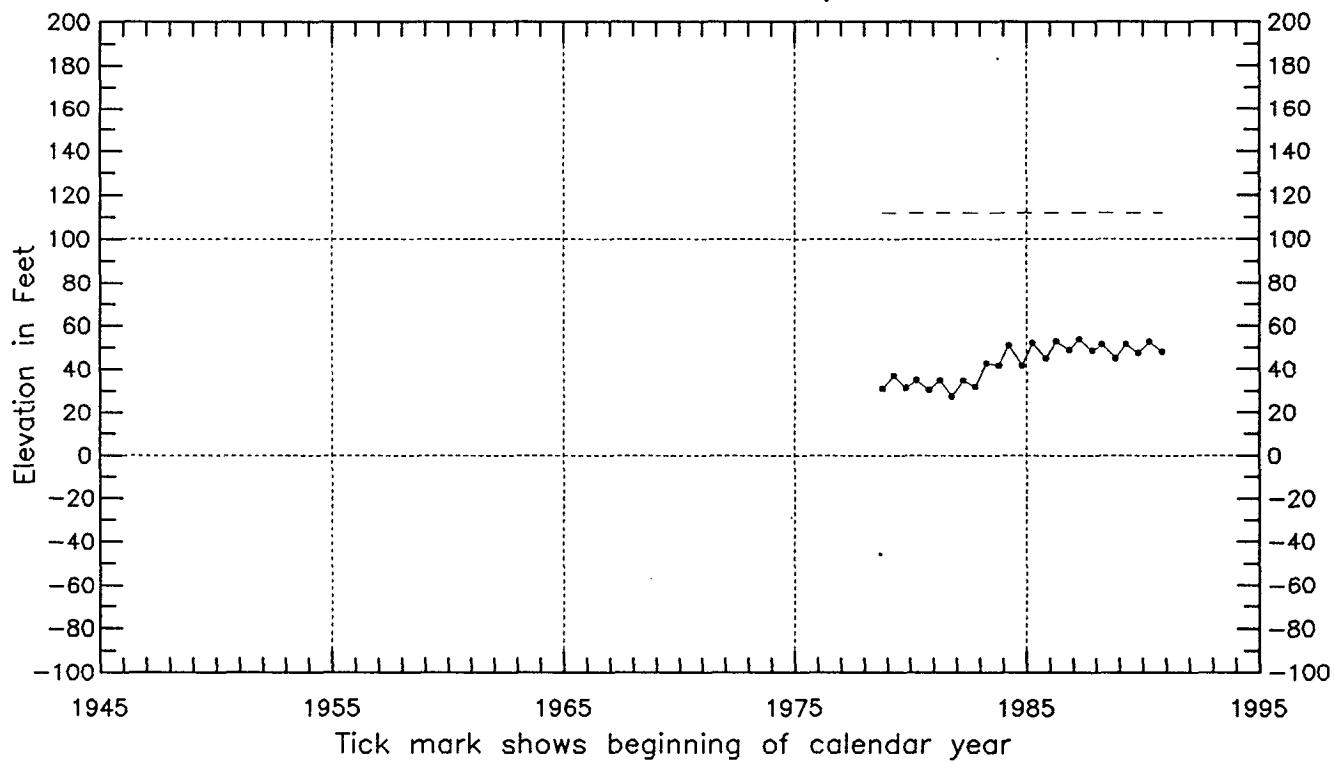
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 14N/05E-10R01M



GROUND WATER ELEVATIONS, 14N/05E-10R02M



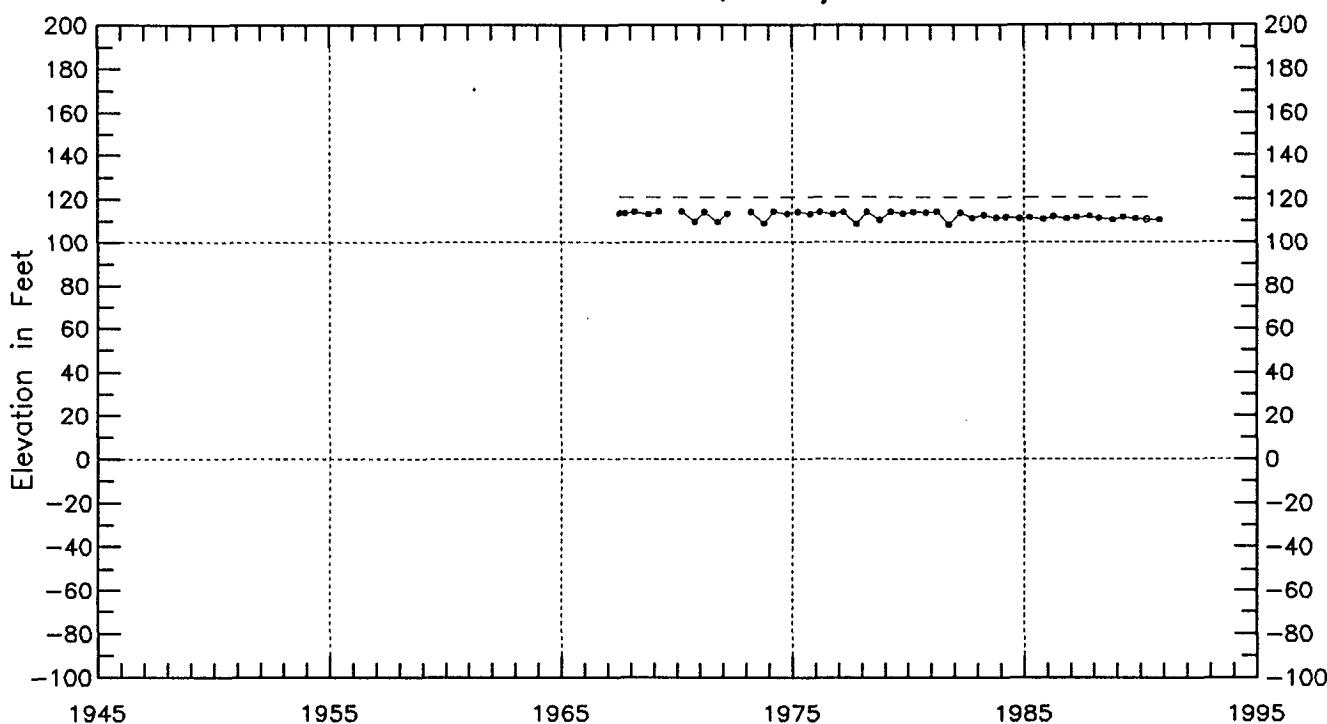
Tick mark shows beginning of calendar year

..... Water surface elevation in well
..... Questionable measurement

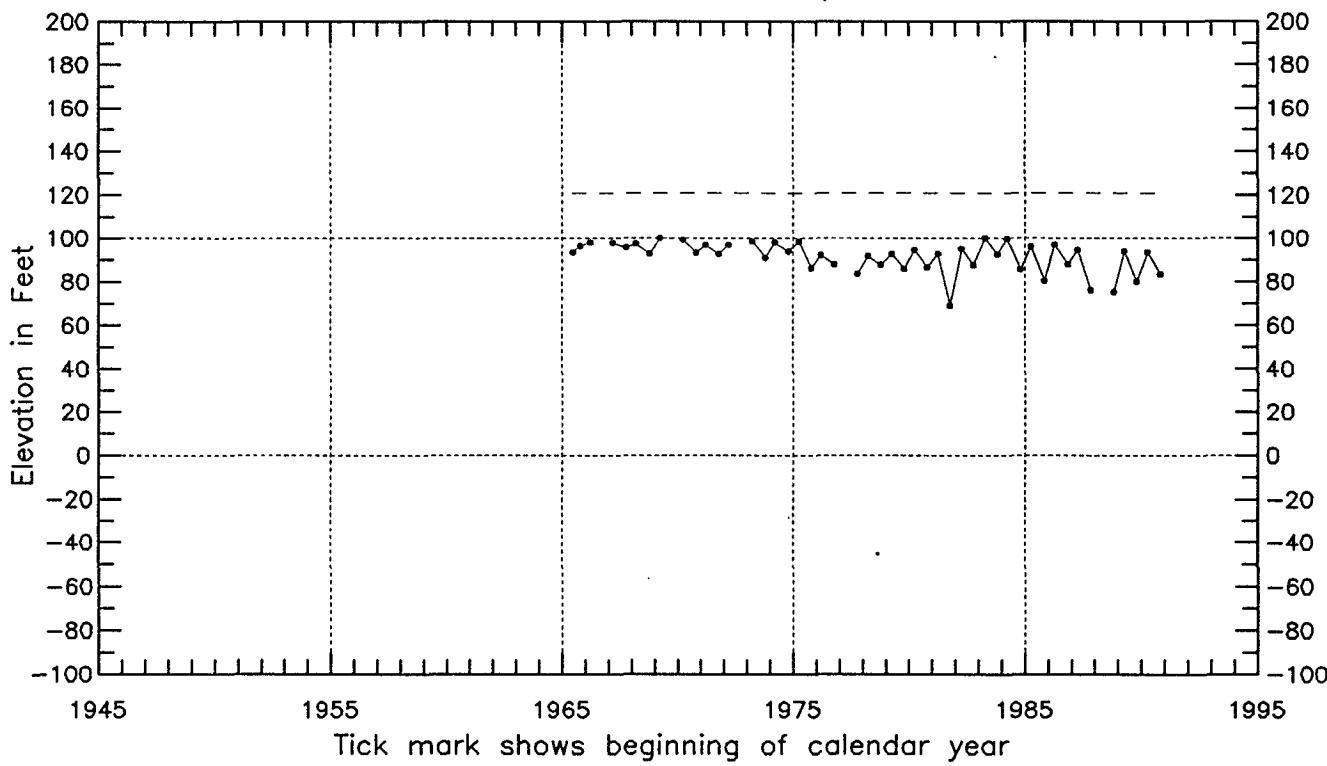
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 14N/05E-12N01M



GROUND WATER ELEVATIONS, 14N/05E-13C01M

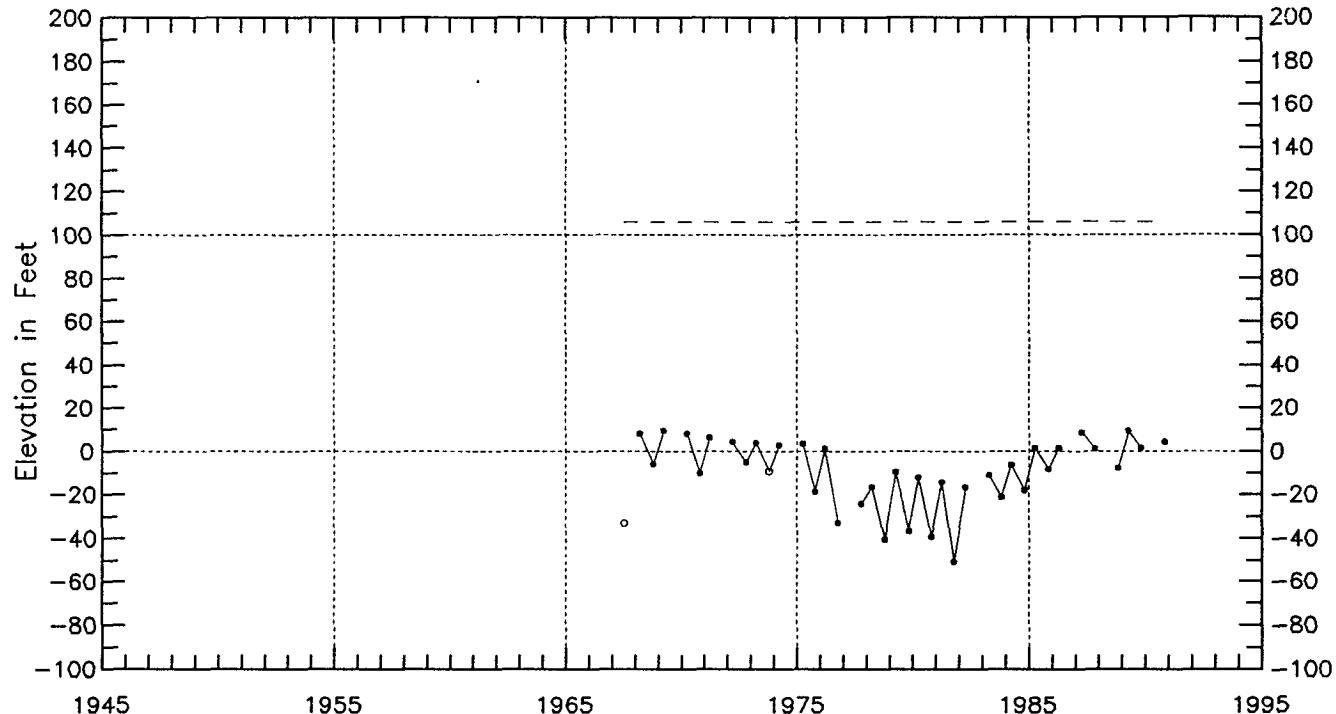


•••• Water surface elevation in well
○○○○ Questionable measurement

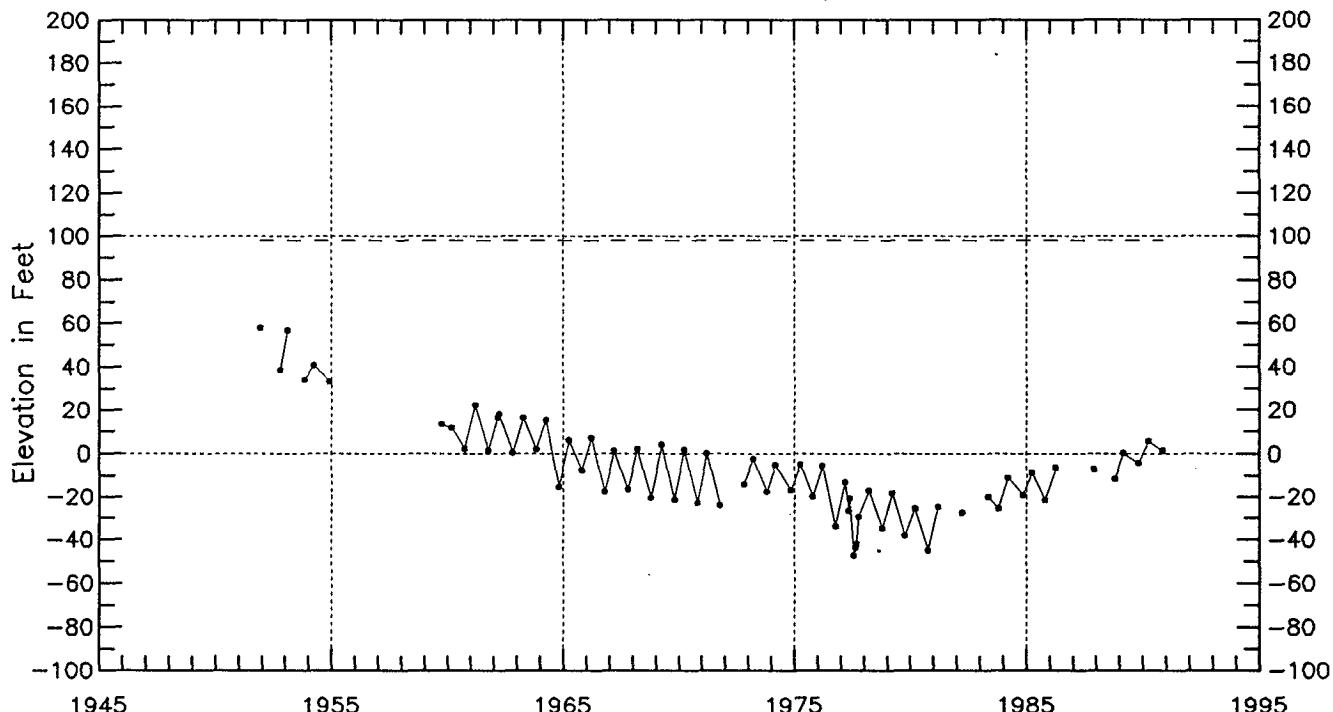
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 14N/05E-15C01M



GROUND WATER ELEVATIONS, 14N/05E-16C02M



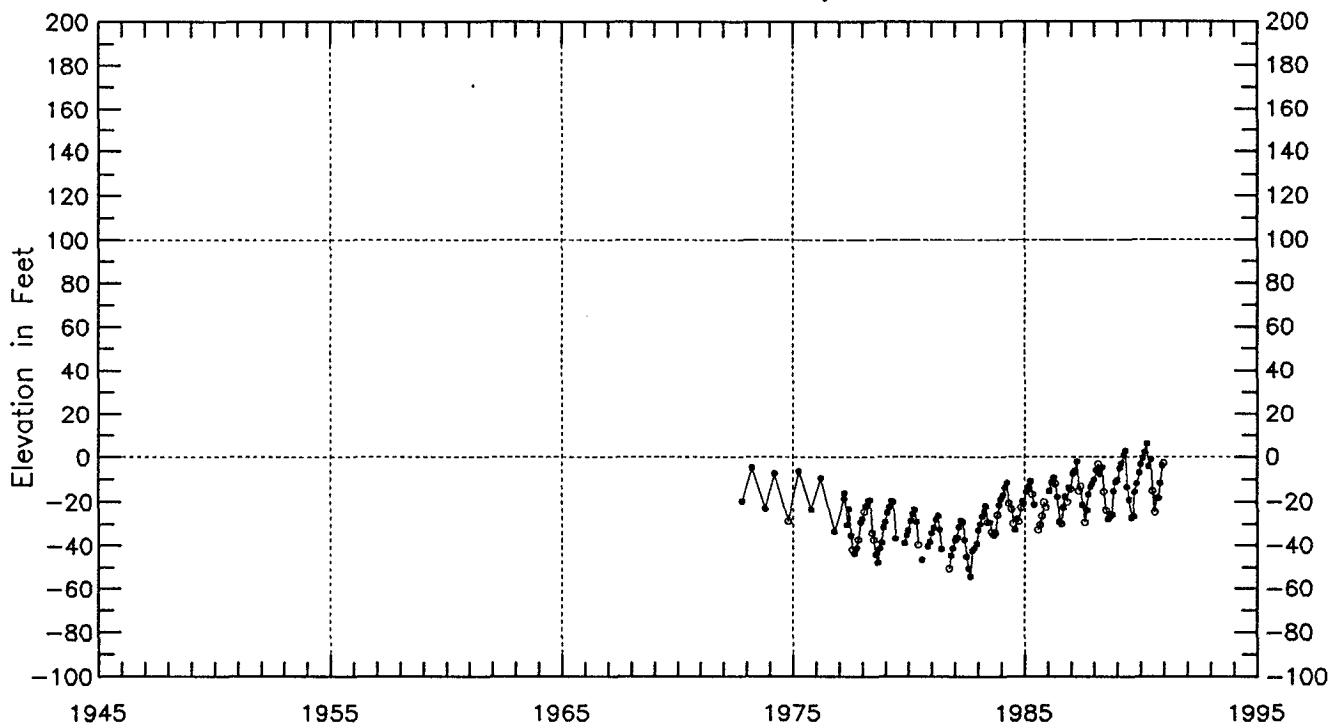
Tick mark shows beginning of calendar year

..... Water surface elevation in well
..... Questionable measurement

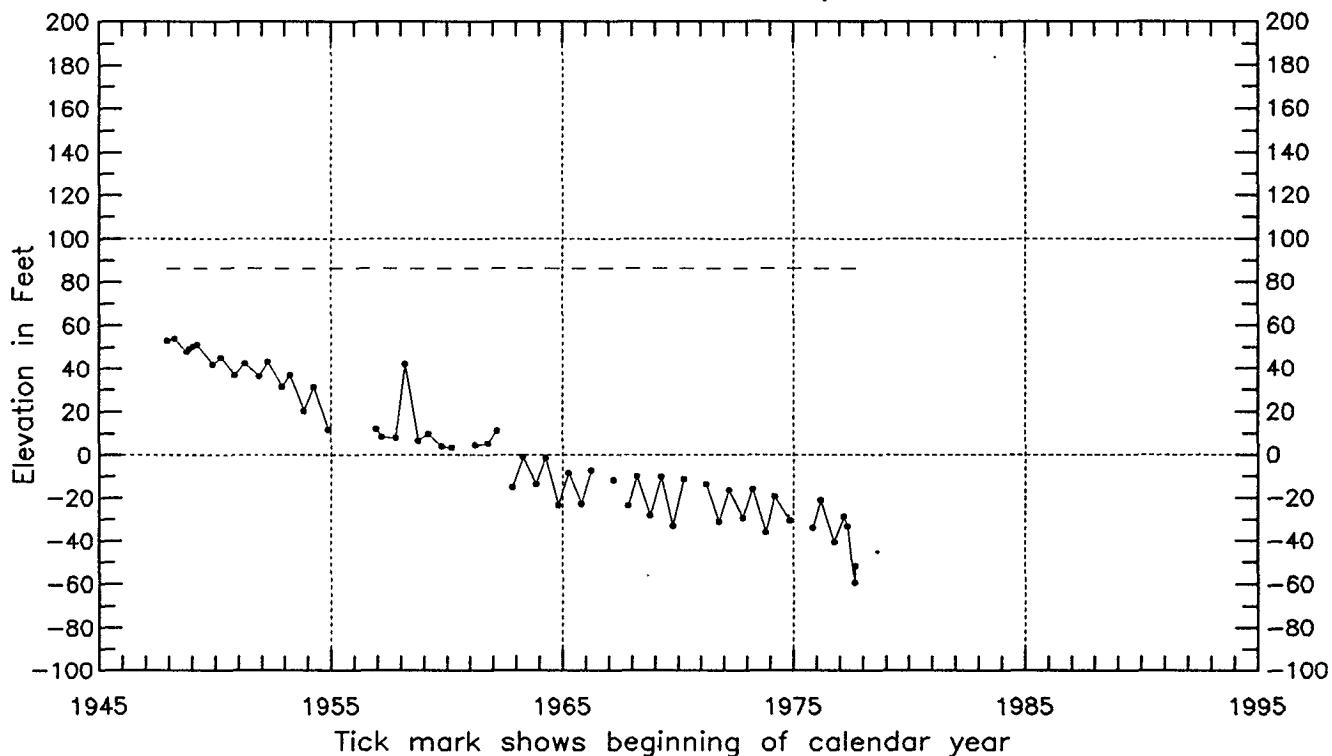
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 14N/05E-16Q01M



GROUND WATER ELEVATIONS, 14N/05E-18A01M

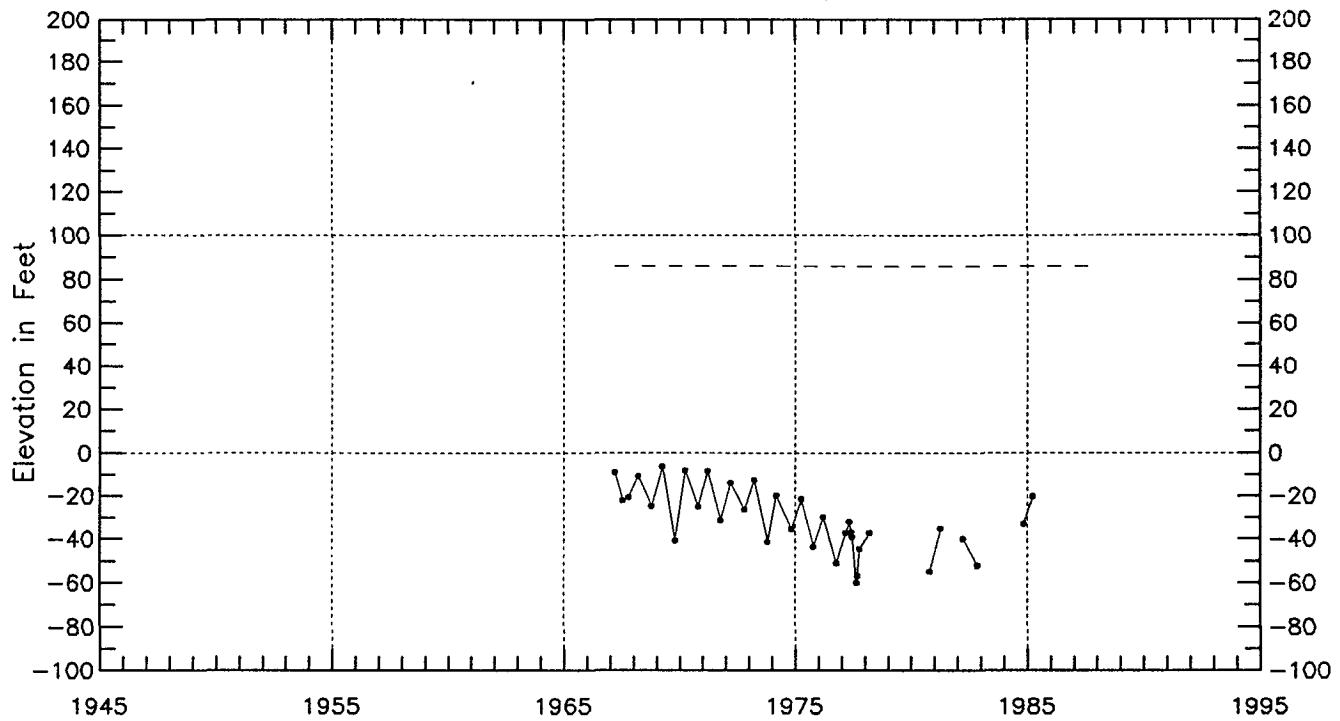


•••• Water surface elevation in well
•••• Questionable measurement

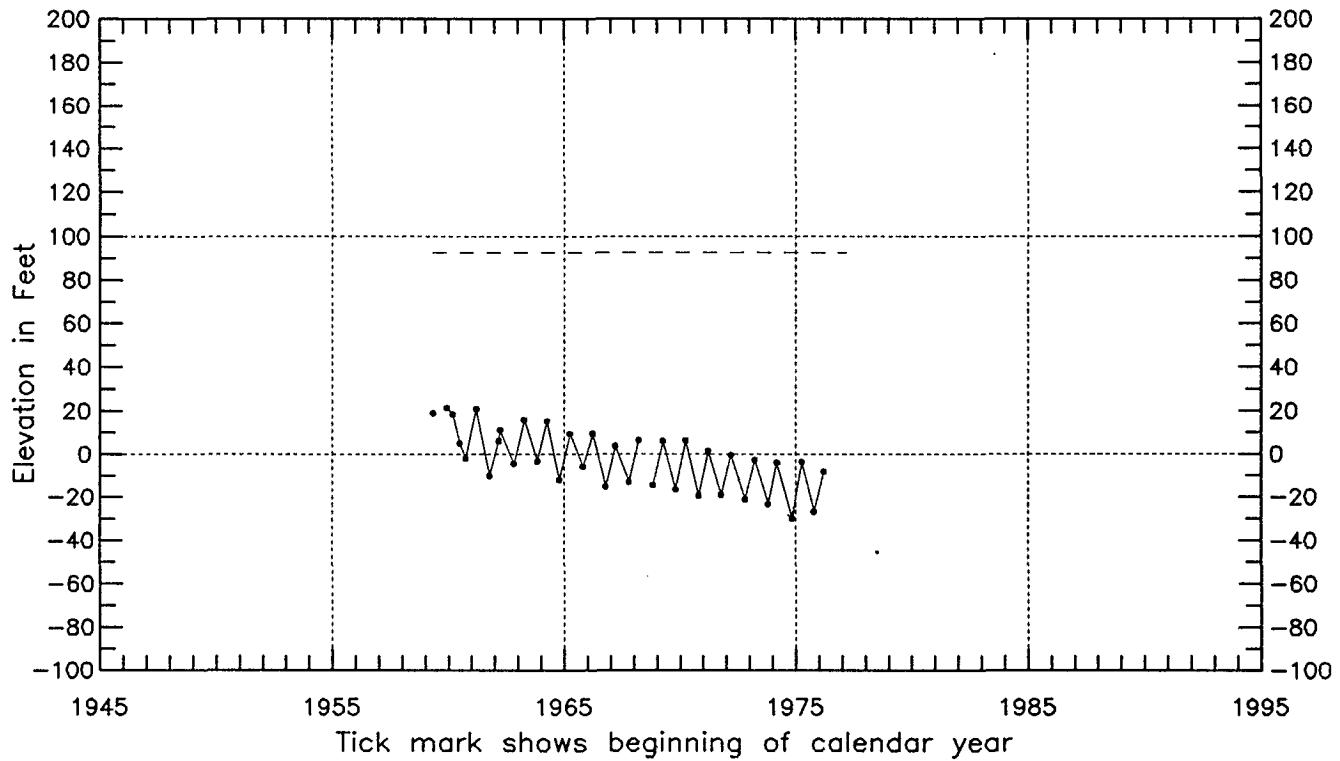
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 14N/05E-20D02M



GROUND WATER ELEVATIONS, 14N/05E-21R02M

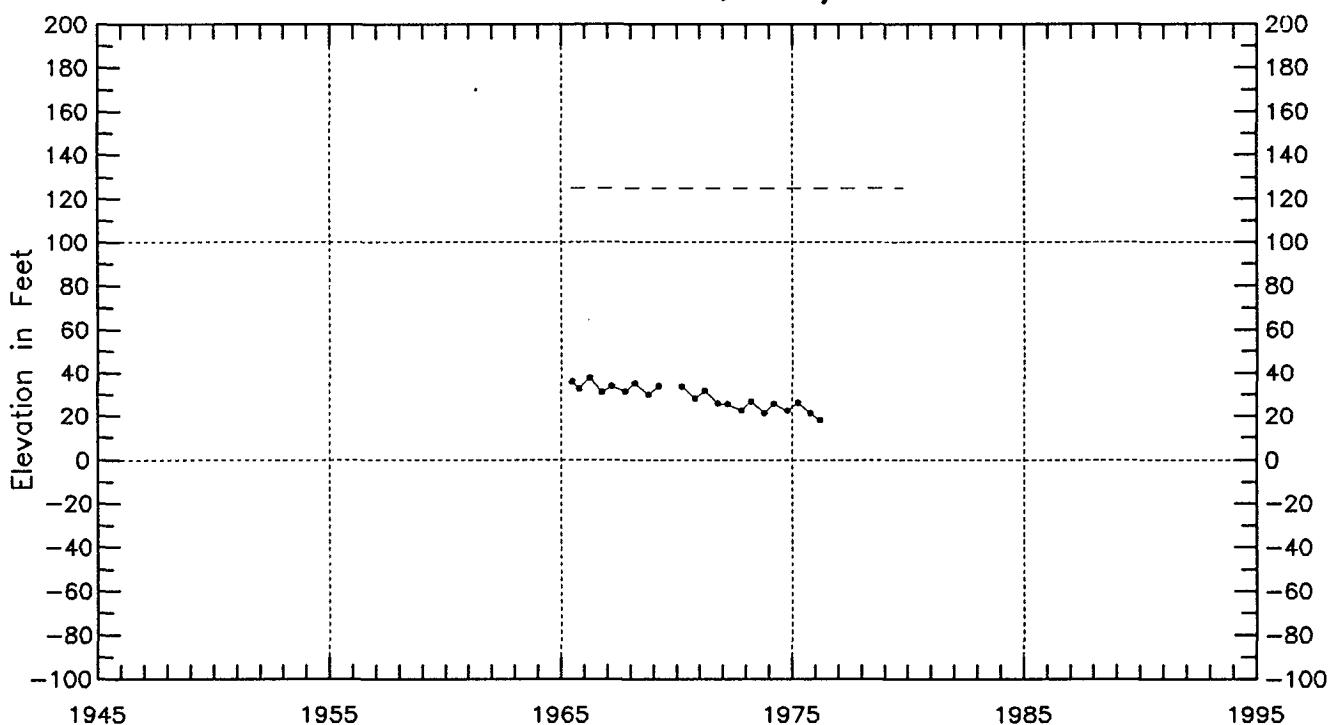


•••• Water surface elevation in well
•••• Questionable measurement

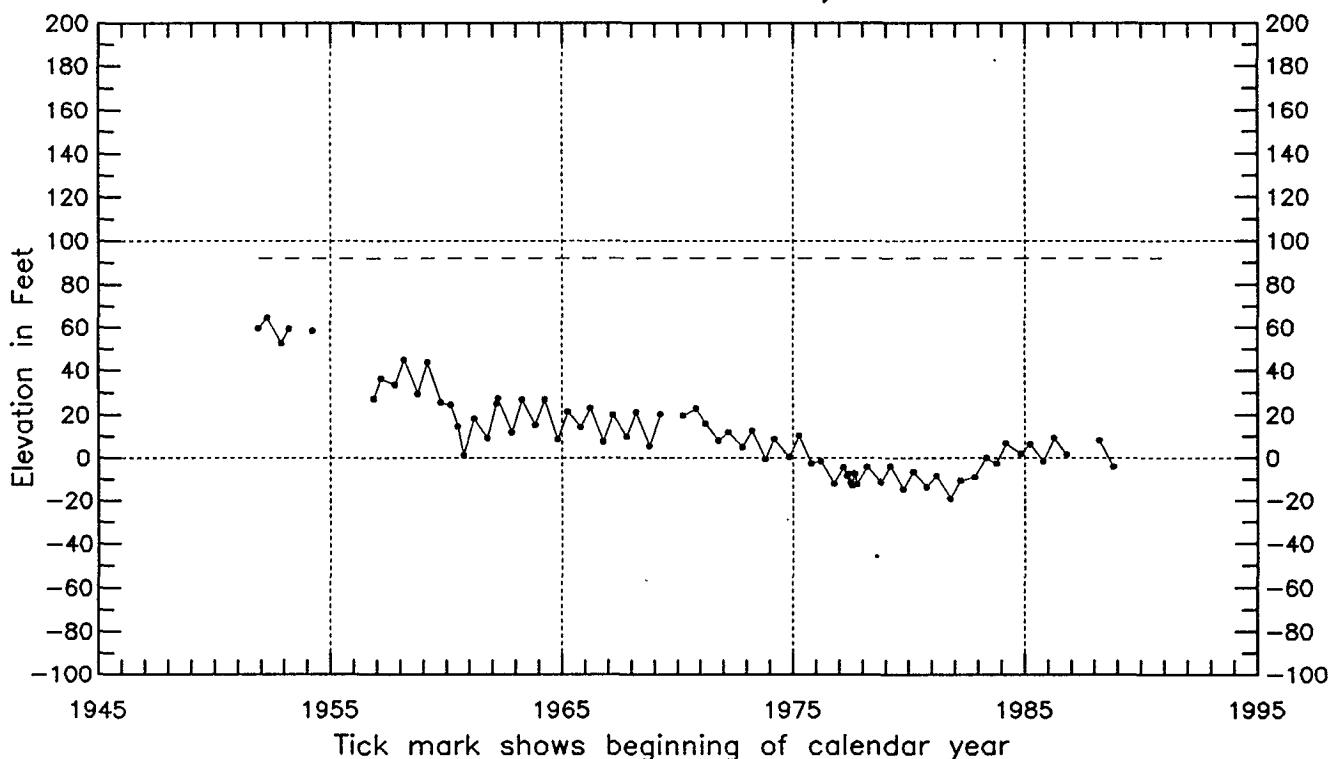
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 14N/05E-26F01M



GROUND WATER ELEVATIONS, 14N/05E-27L02M



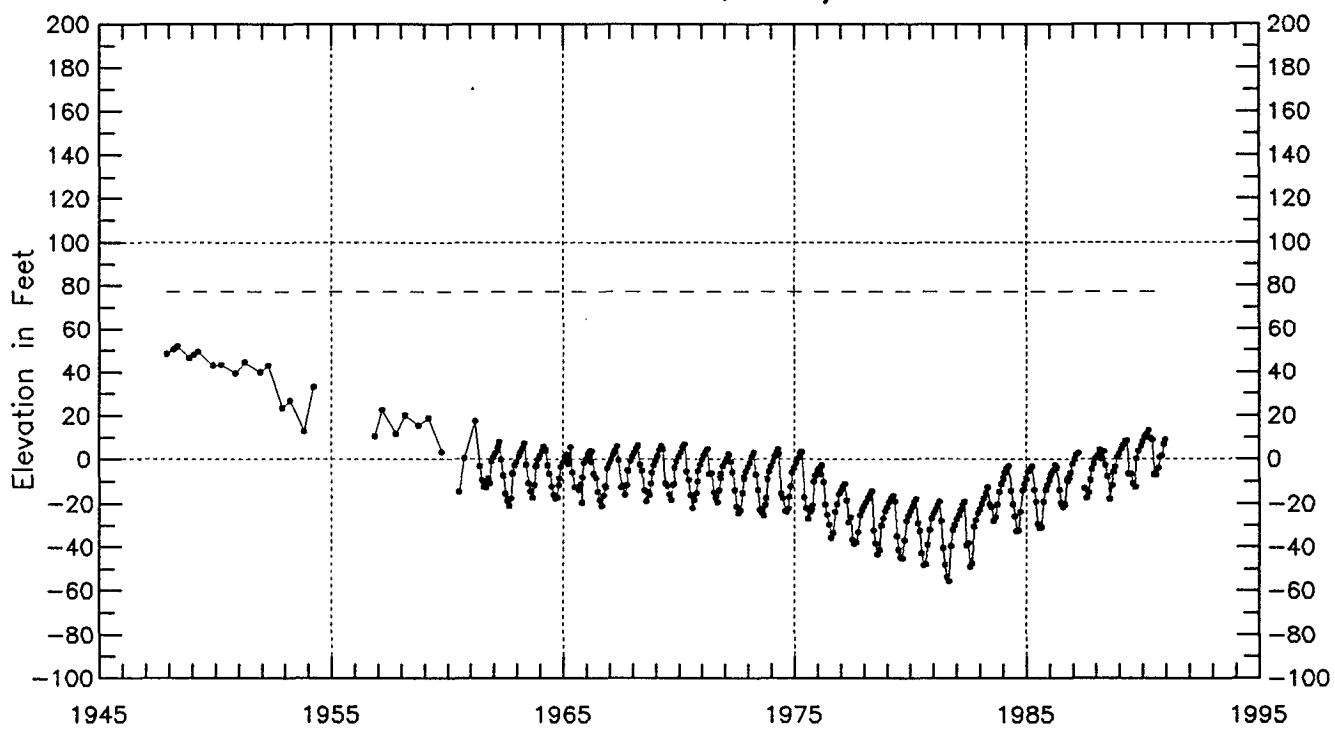
Tick mark shows beginning of calendar year

•••• Water surface elevation in well
•••• Questionable measurement

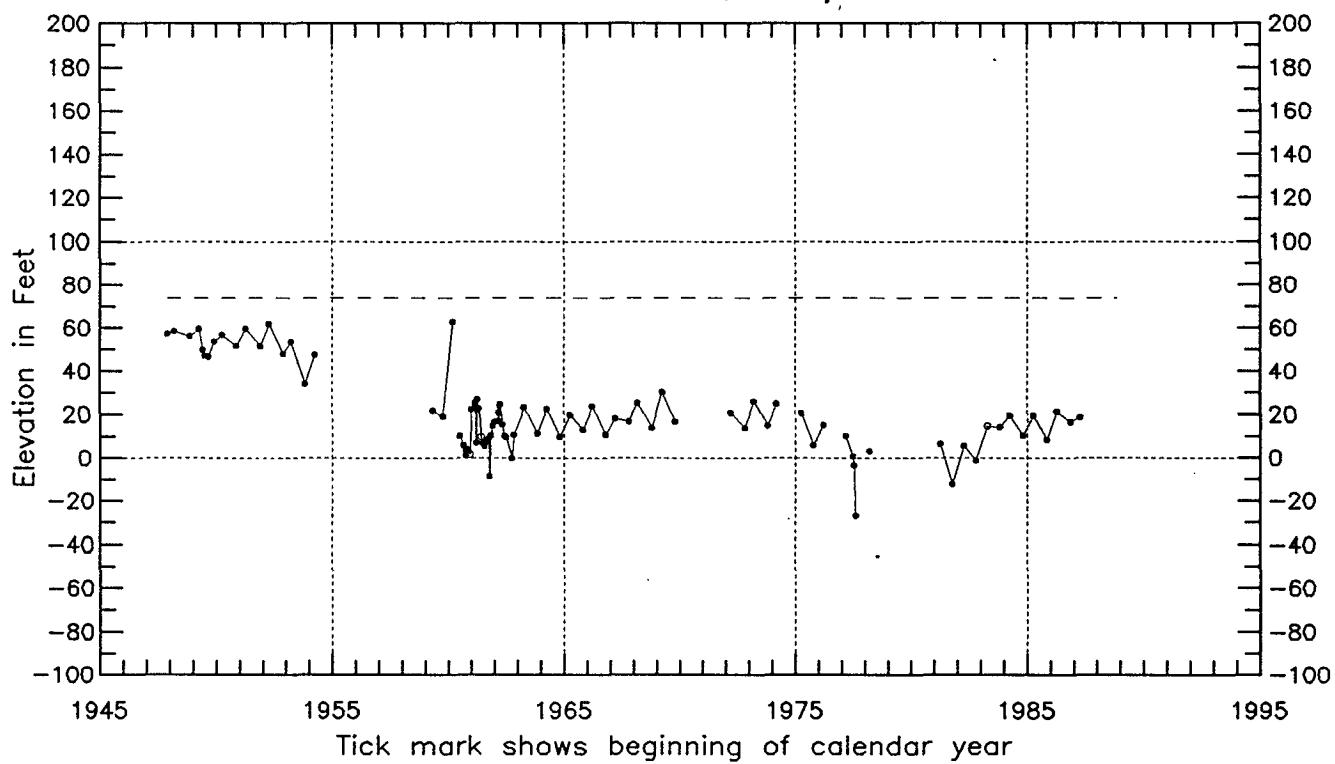
-- Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 14N/05E-30Q01M



GROUND WATER ELEVATIONS, 14N/05E-32R02M

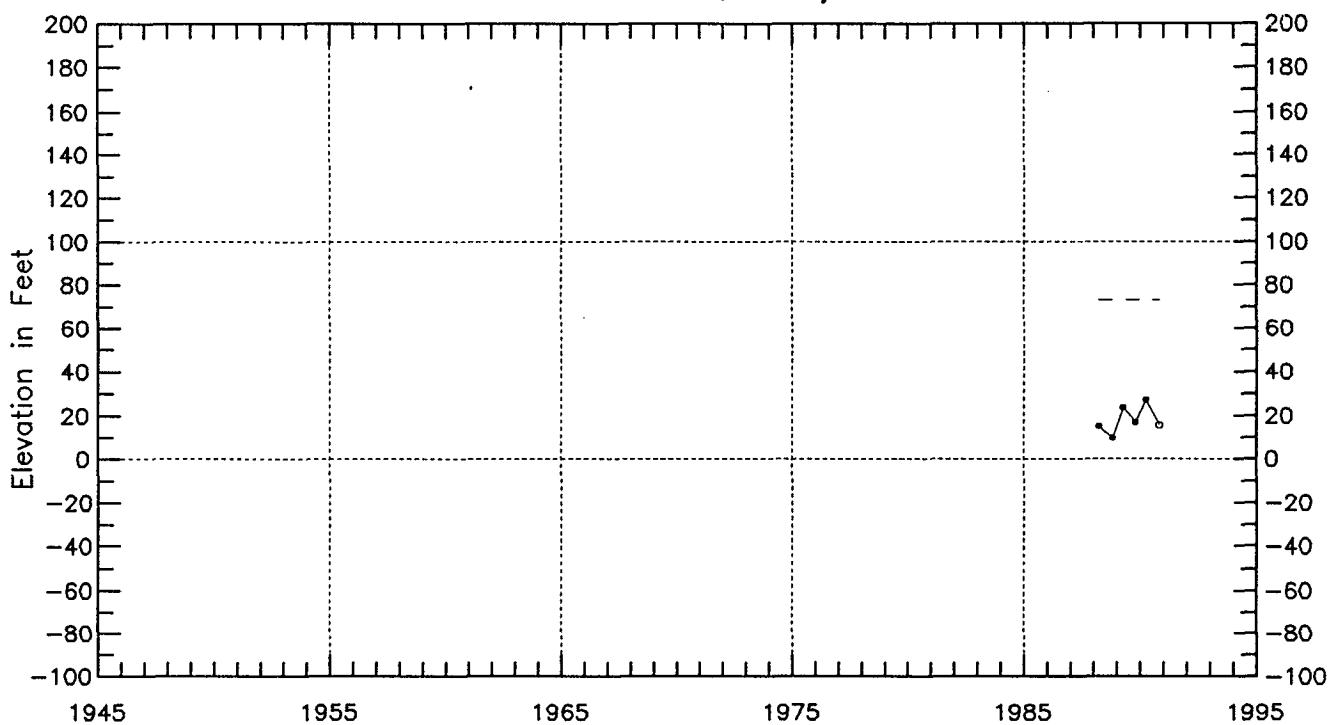


..... Water surface elevation in well
..... Questionable measurement

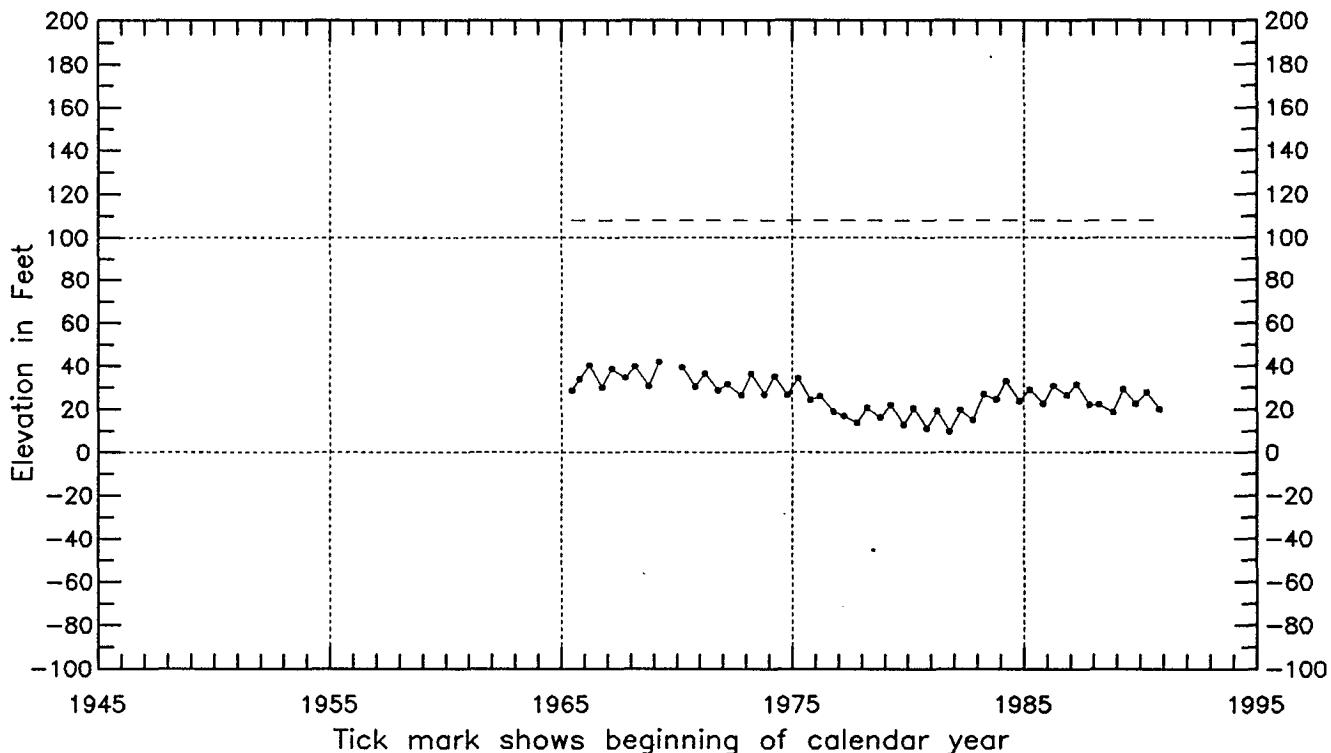
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 14N/05E-32R03M



GROUND WATER ELEVATIONS, 14N/05E-34G01M



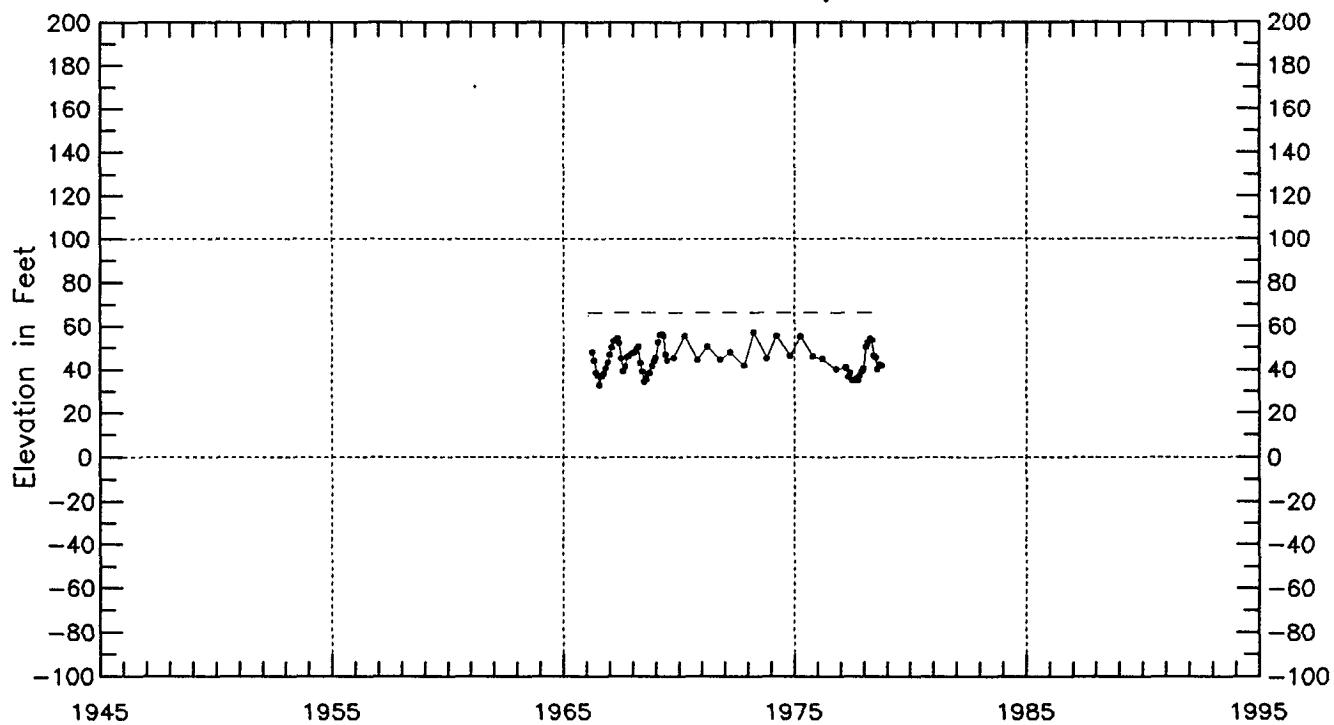
Tick mark shows beginning of calendar year

•••• Water surface elevation in well
•••• Questionable measurement

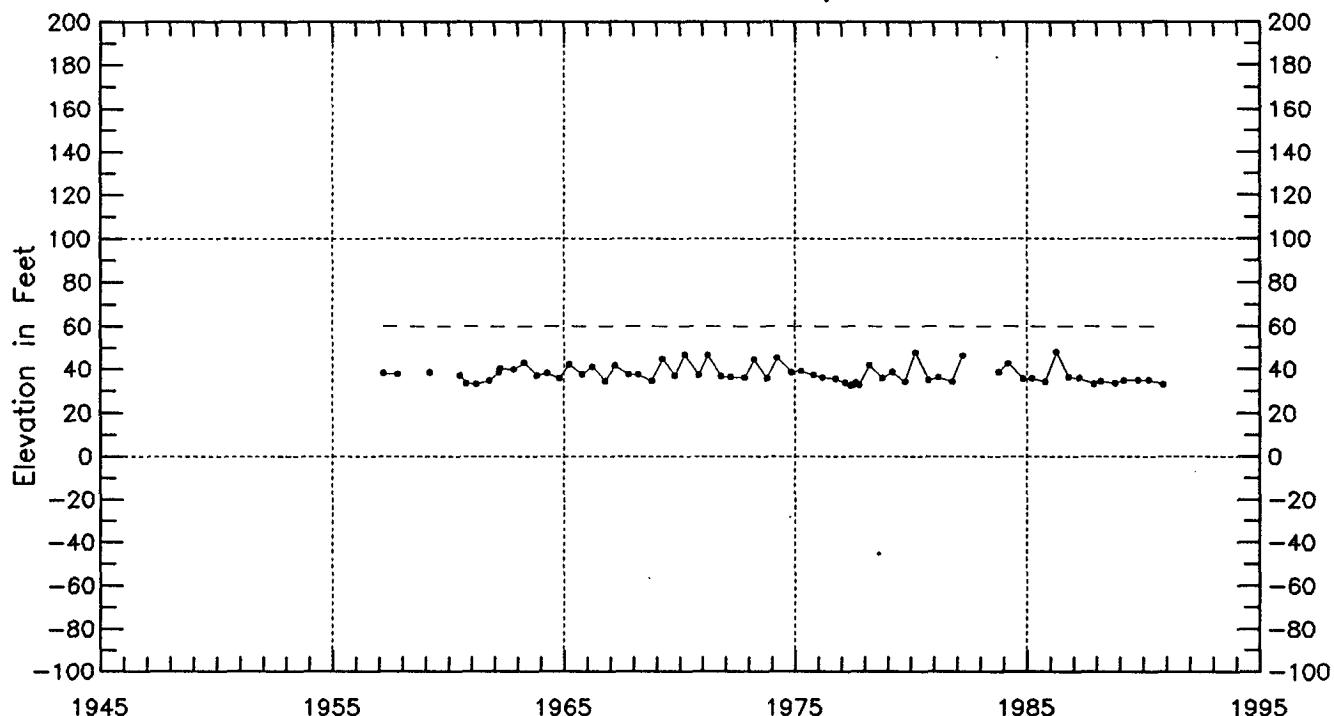
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 15N/03E-01D05M



GROUND WATER ELEVATIONS, 15N/03E-11C02M



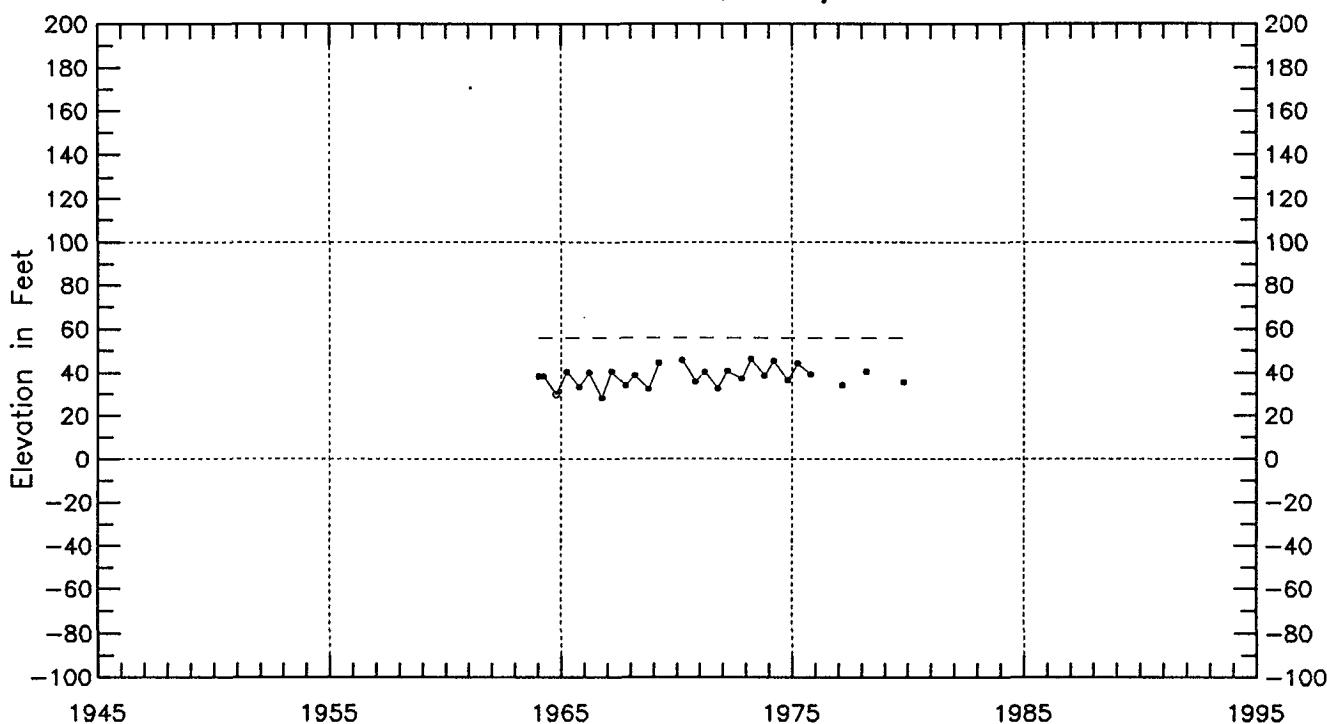
Tick mark shows beginning of calendar year

•••• Water surface elevation in well
•••• Questionable measurement

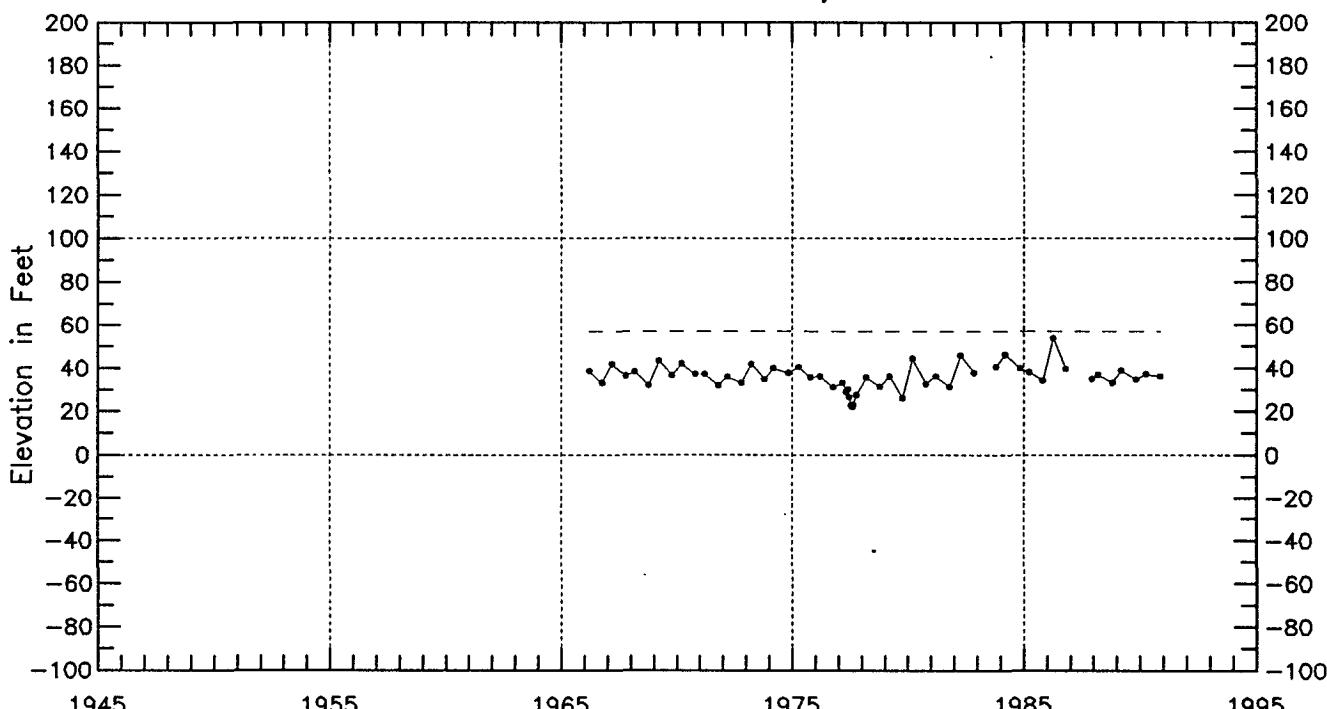
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 15N/03E-13F01M



GROUND WATER ELEVATIONS, 15N/03E-25J01M



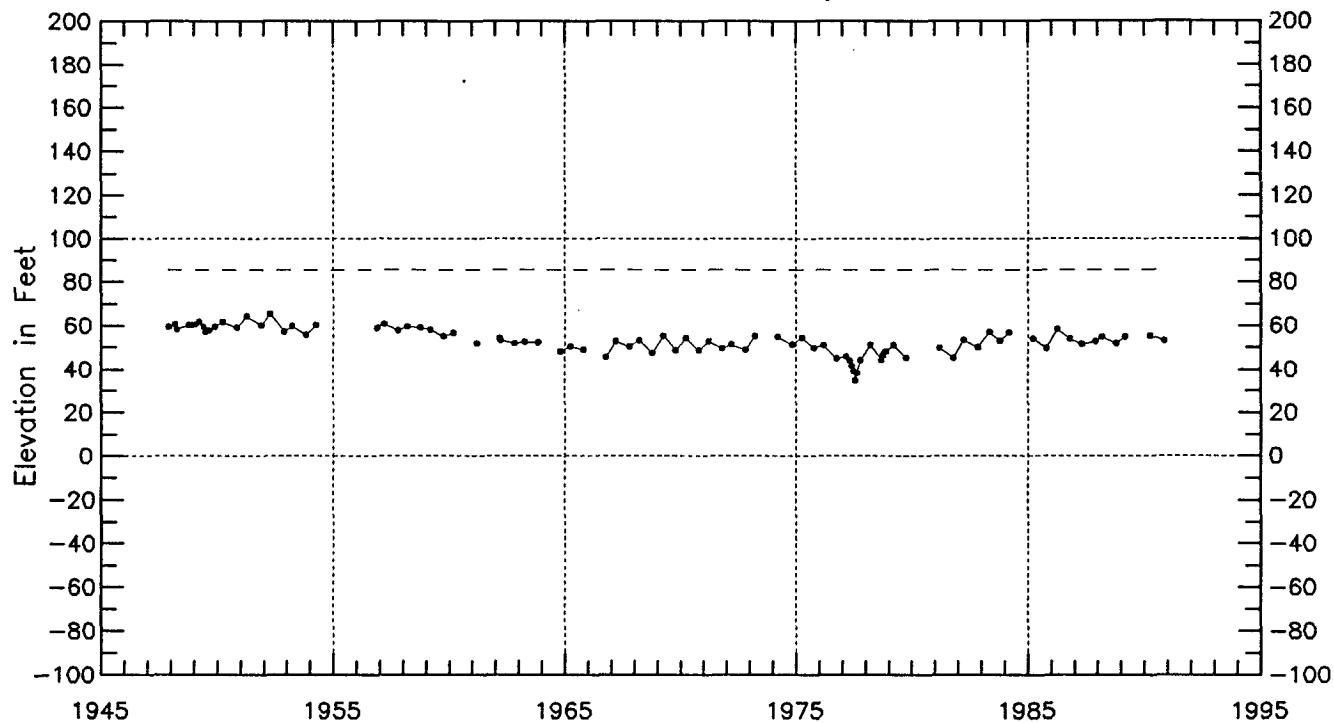
Tick mark shows beginning of calendar year

..... Water surface elevation in well
..... Questionable measurement

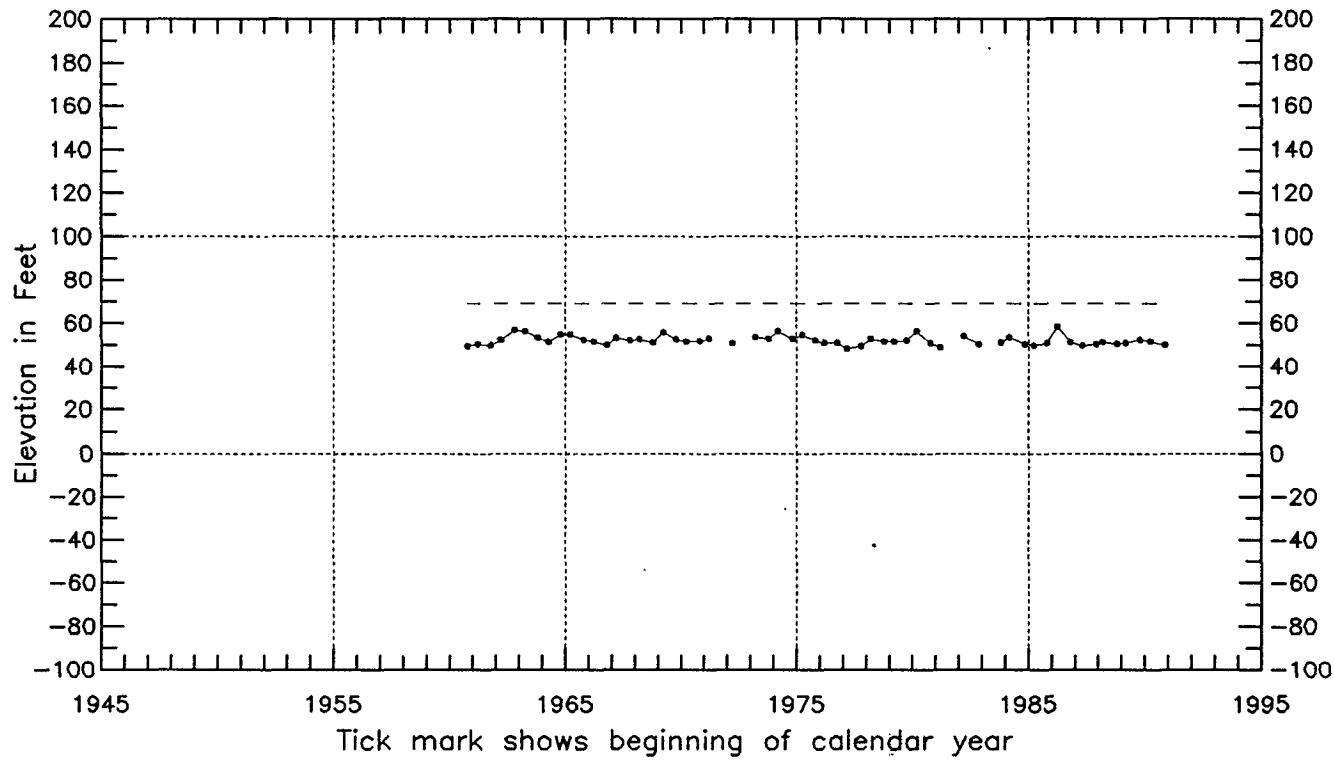
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 15N/04E-04R01M



GROUND WATER ELEVATIONS, 15N/04E-07H01M

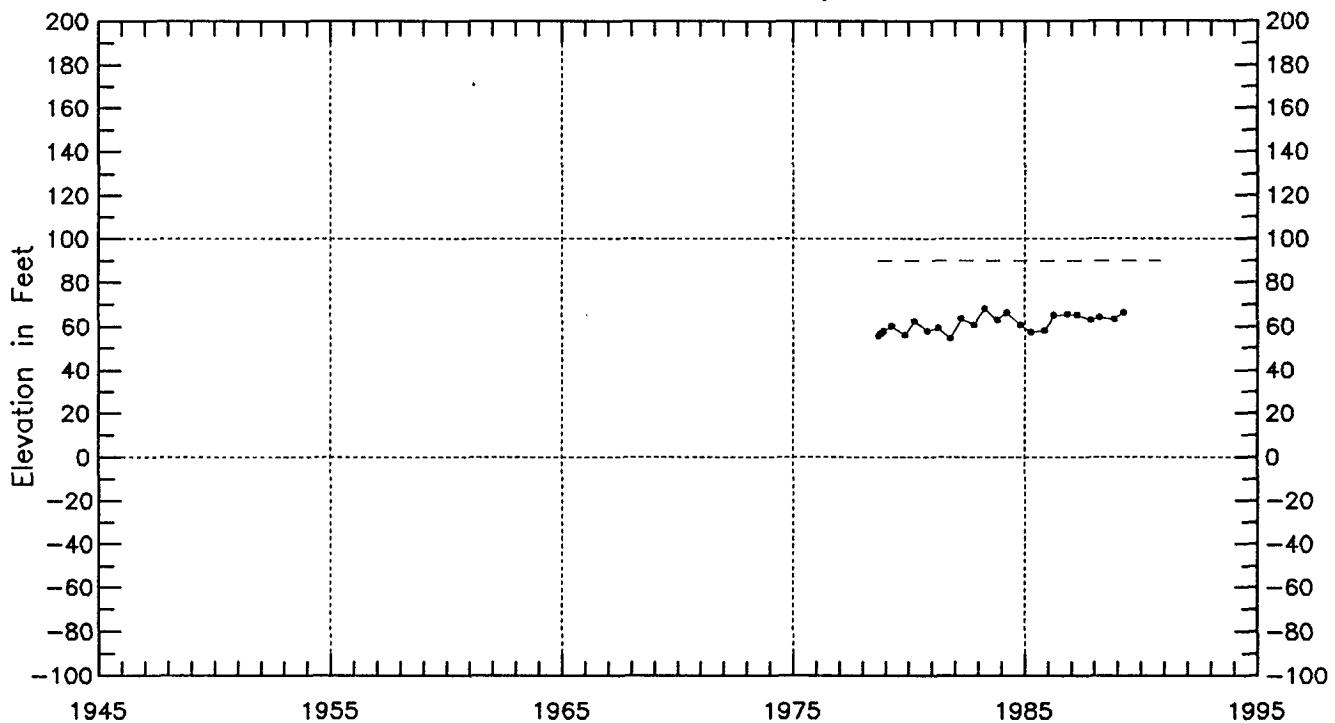


•••• Water surface elevation in well
•••• Questionable measurement

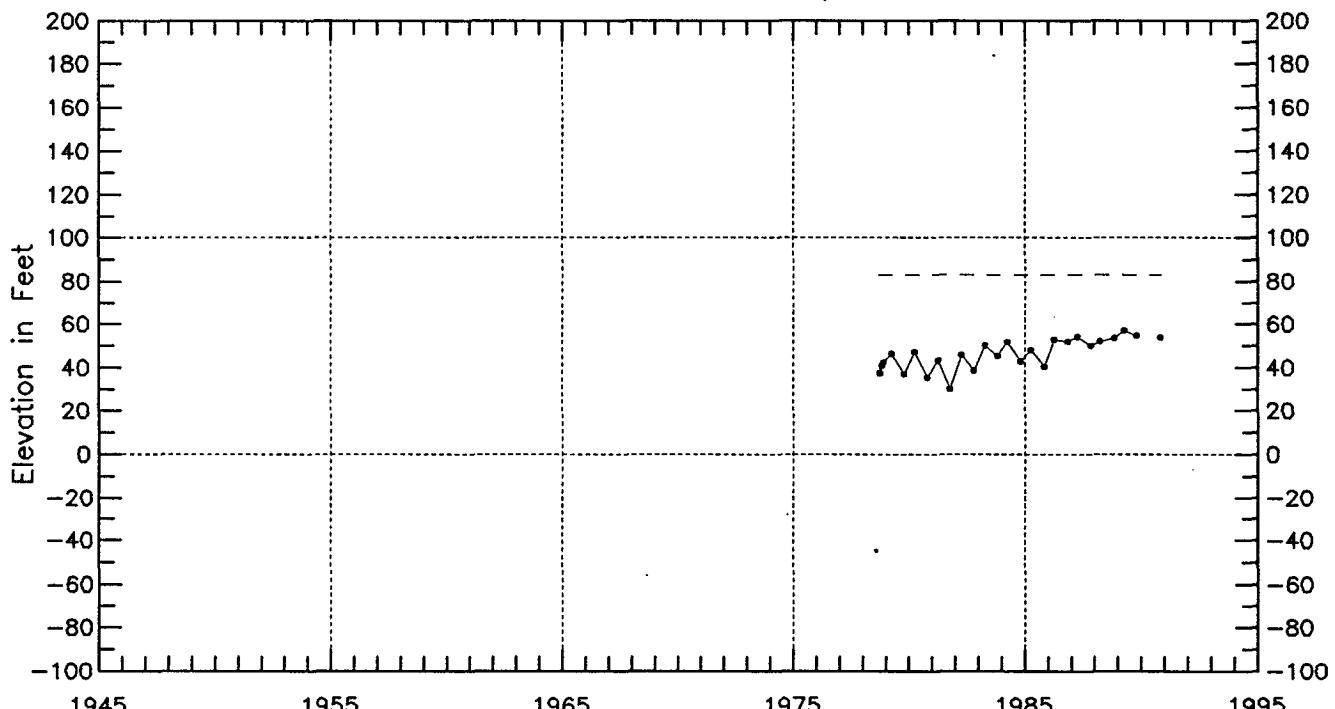
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 15N/04E-10A01M



GROUND WATER ELEVATIONS, 15N/04E-11K02M



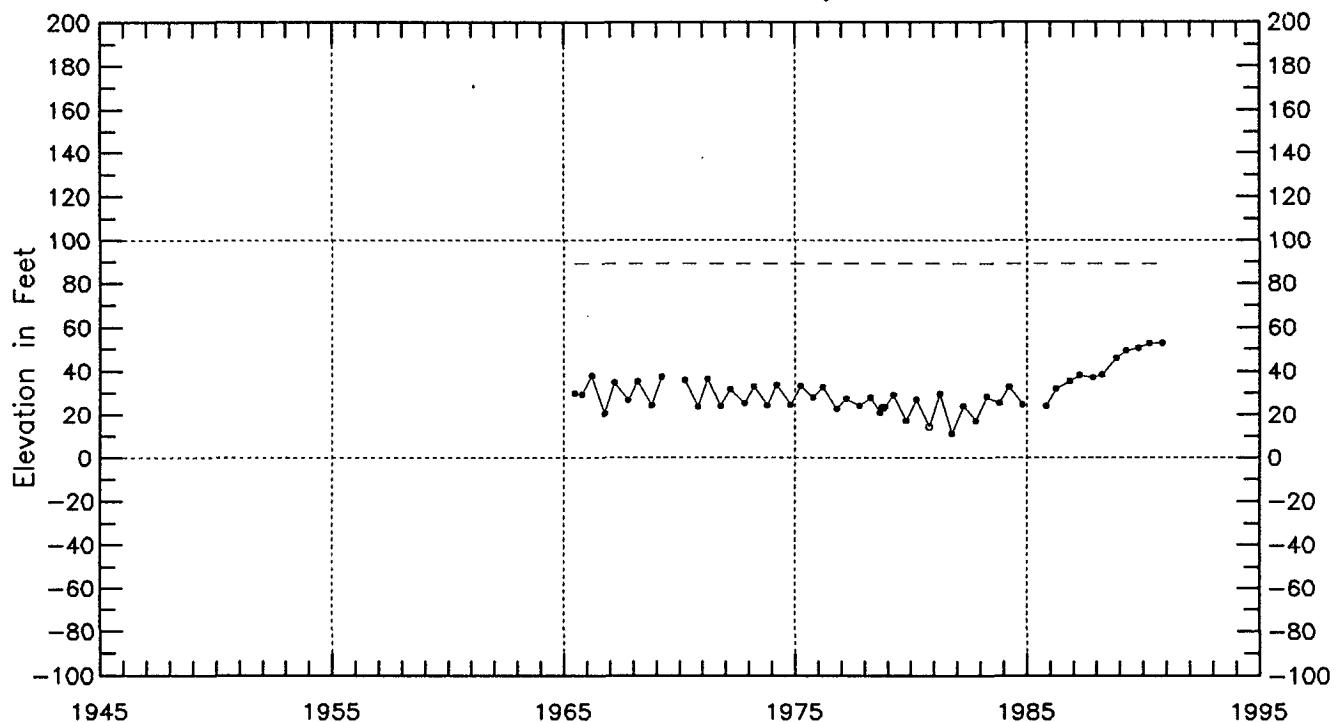
Tick mark shows beginning of calendar year

•••• Water surface elevation in well
•••• Questionable measurement

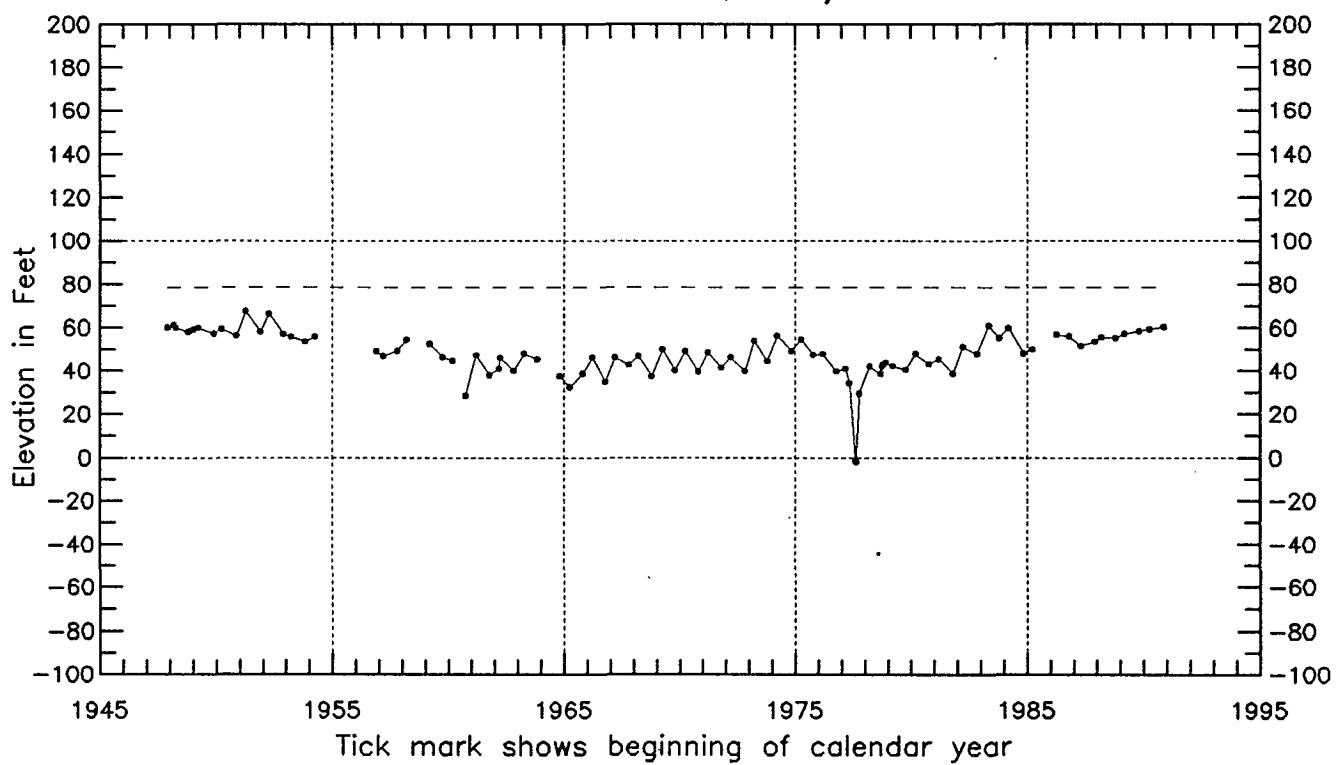
-- Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 15N/04E-13A01M



GROUND WATER ELEVATIONS, 15N/04E-15A01M



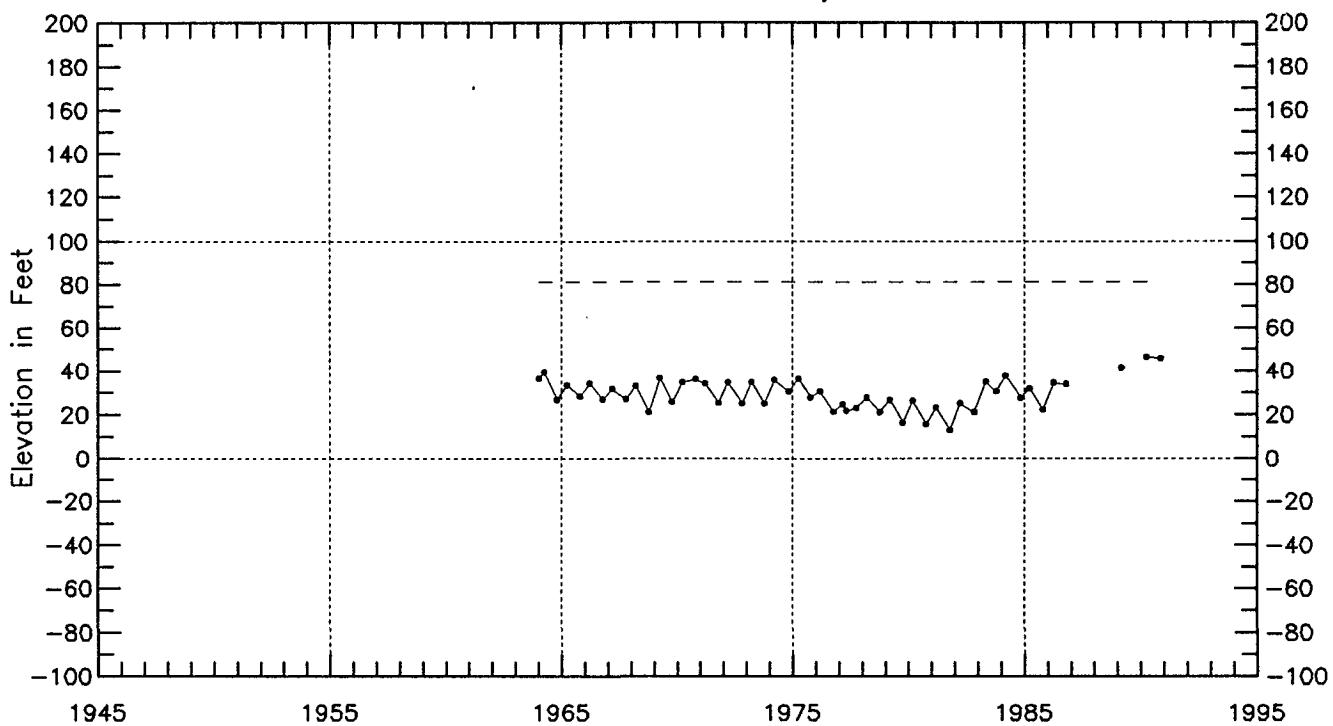
Tick mark shows beginning of calendar year

•••• Water surface elevation in well
•••• Questionable measurement

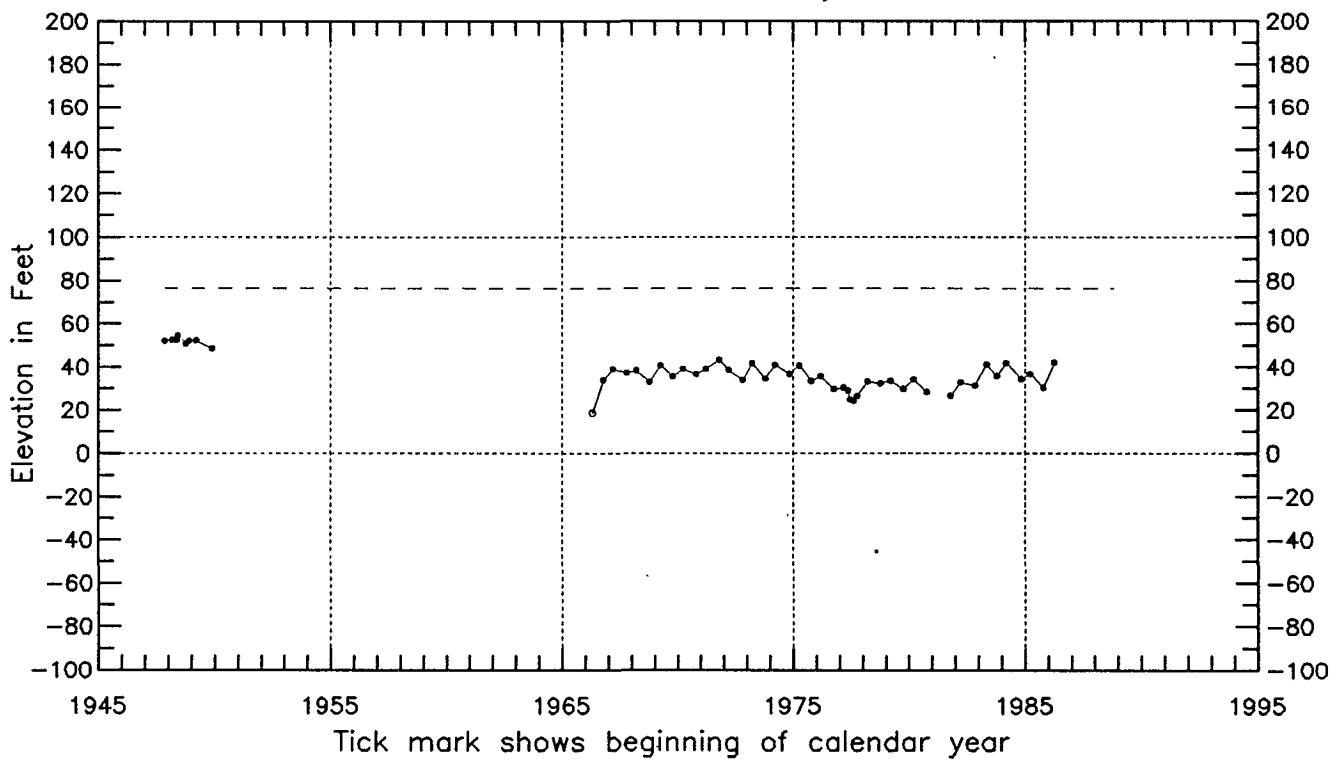
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 15N/04E-15R01M



GROUND WATER ELEVATIONS, 15N/04E-16P01M

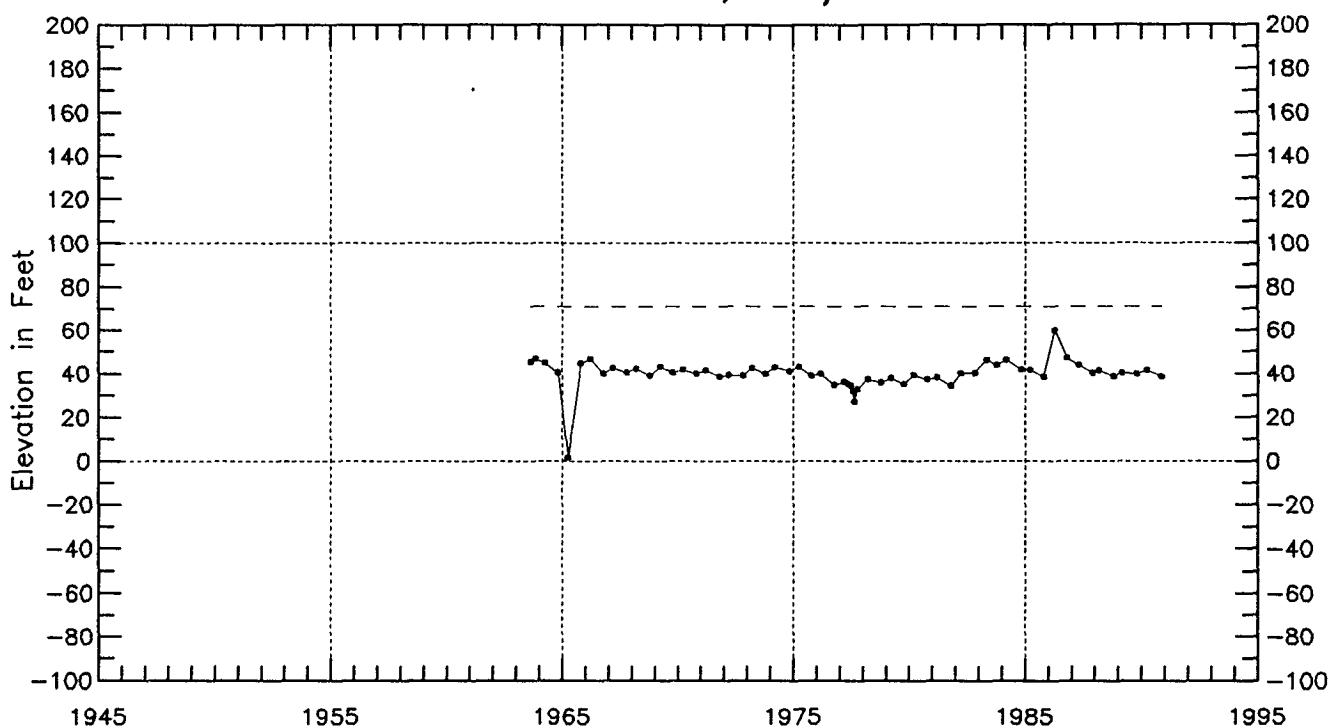


•••• Water surface elevation in well
•••• Questionable measurement

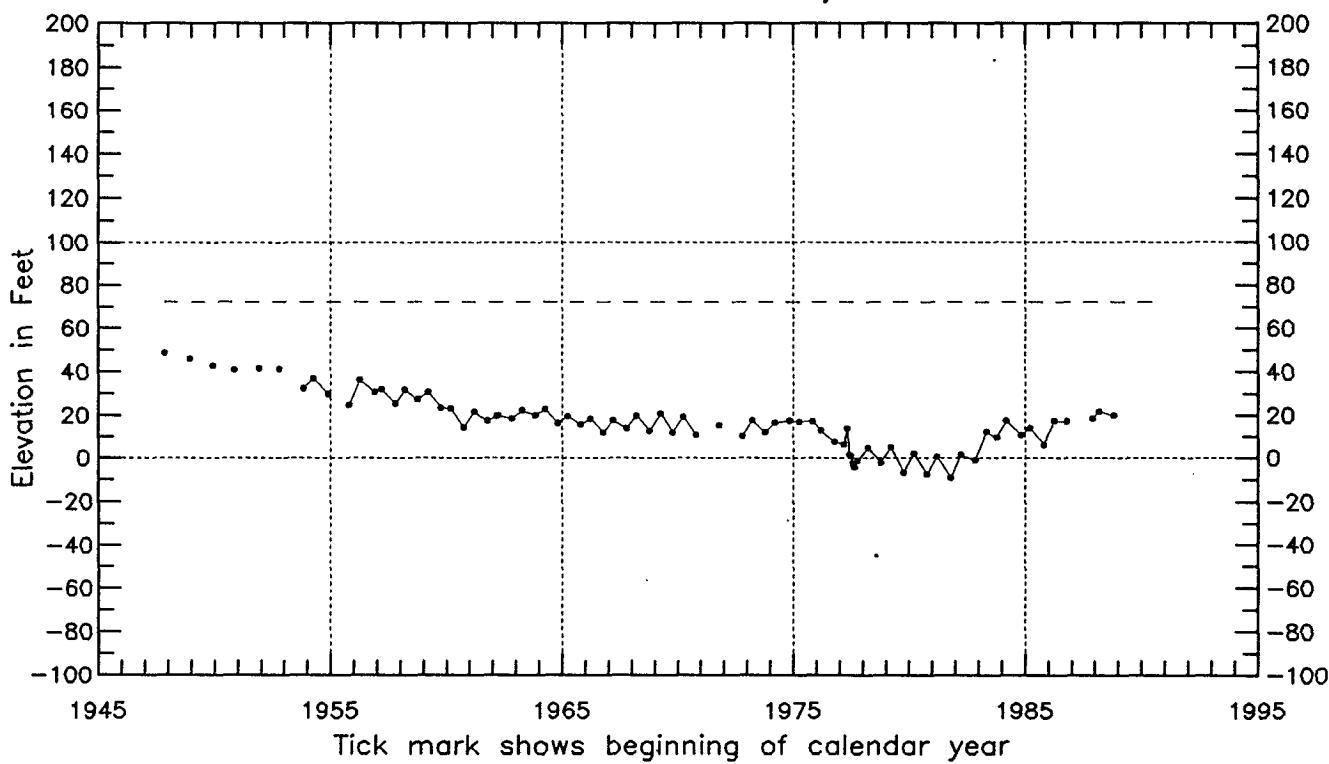
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 15N/04E-20E01M



GROUND WATER ELEVATIONS, 15N/04E-22P01M

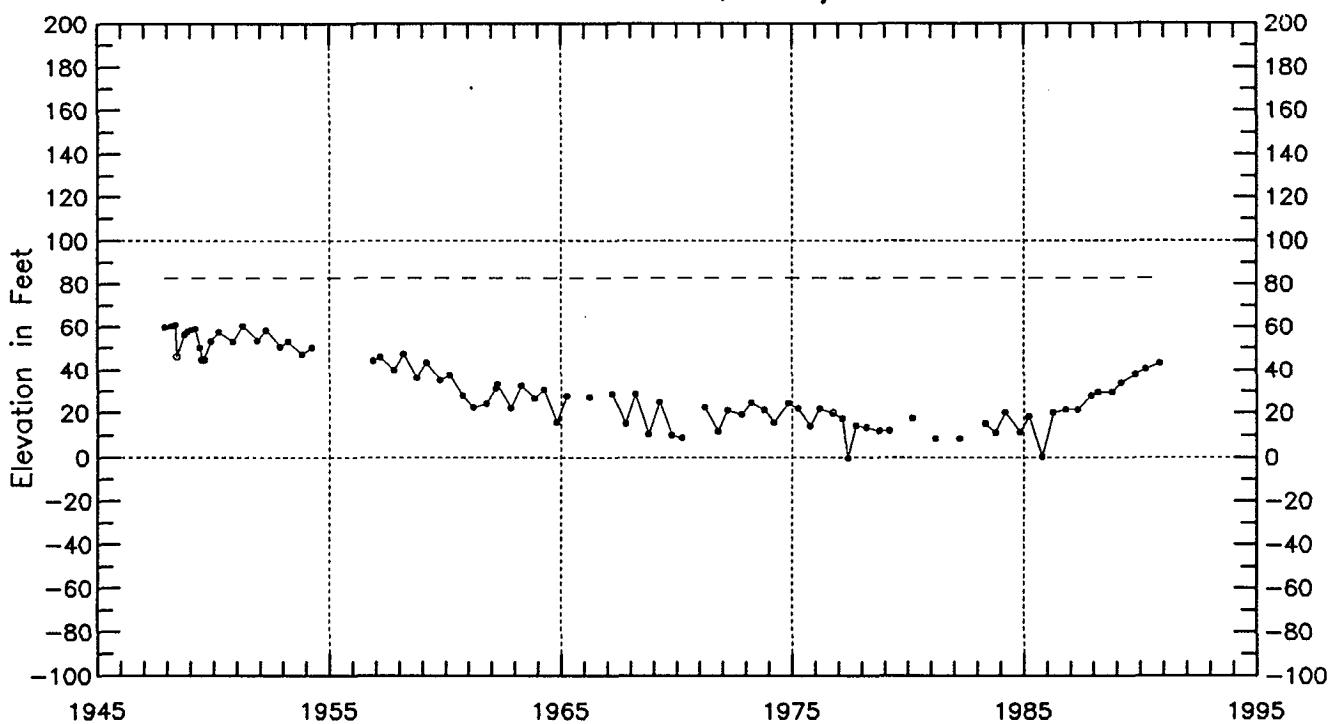


..... Water surface elevation in well
..... Questionable measurement

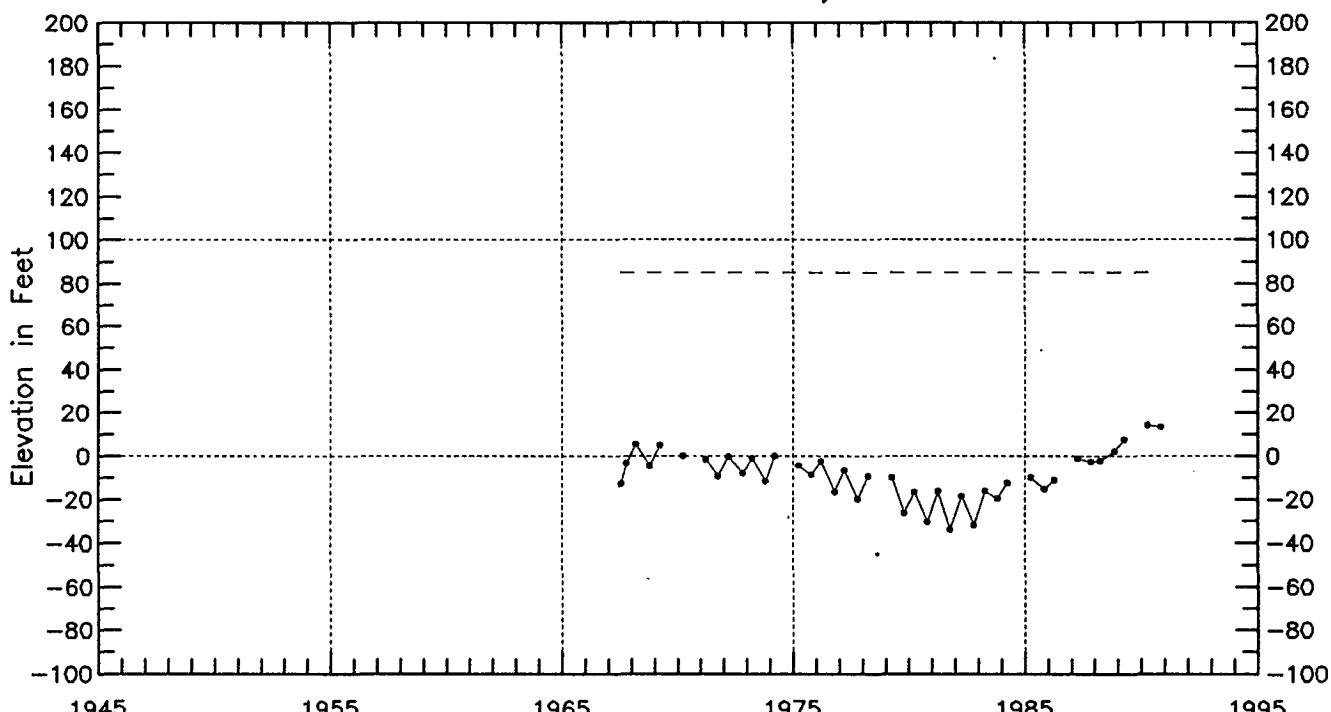
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 15N/04E-23A01M



GROUND WATER ELEVATIONS, 15N/04E-24A01M



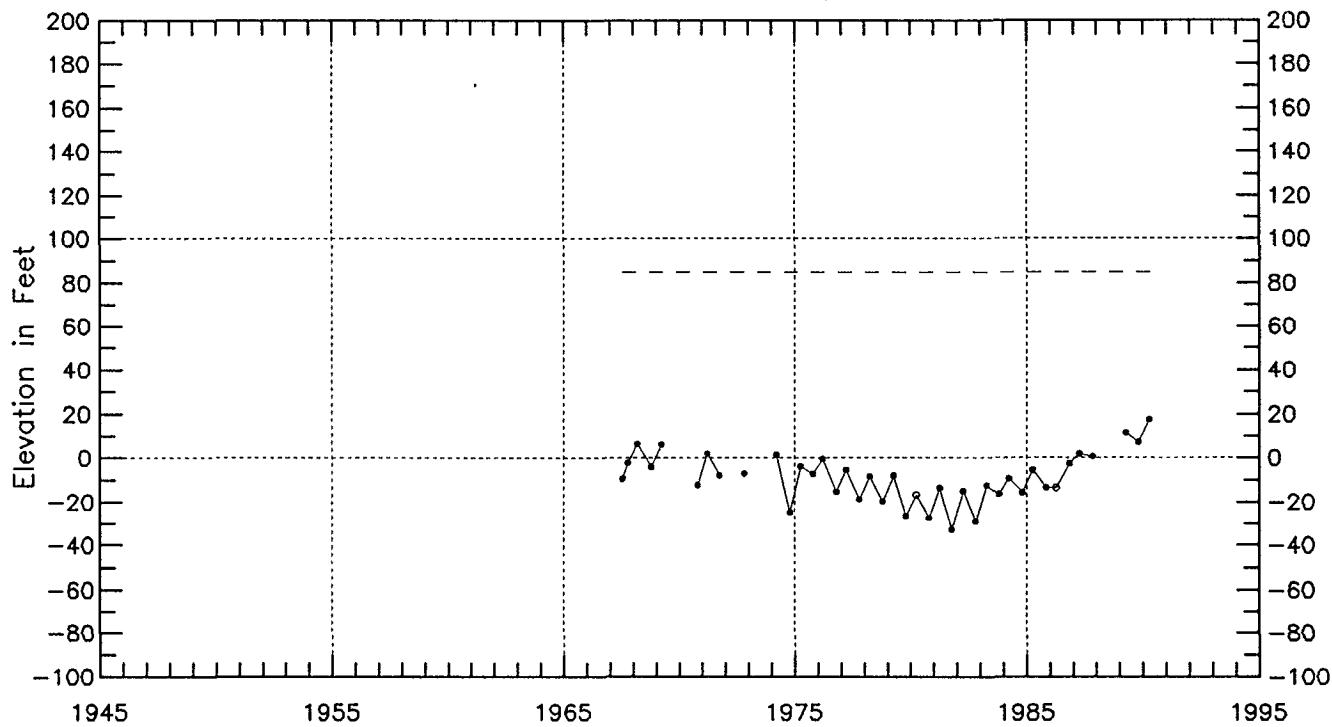
Tick mark shows beginning of calendar year

•••• Water surface elevation in well
•••• Questionable measurement

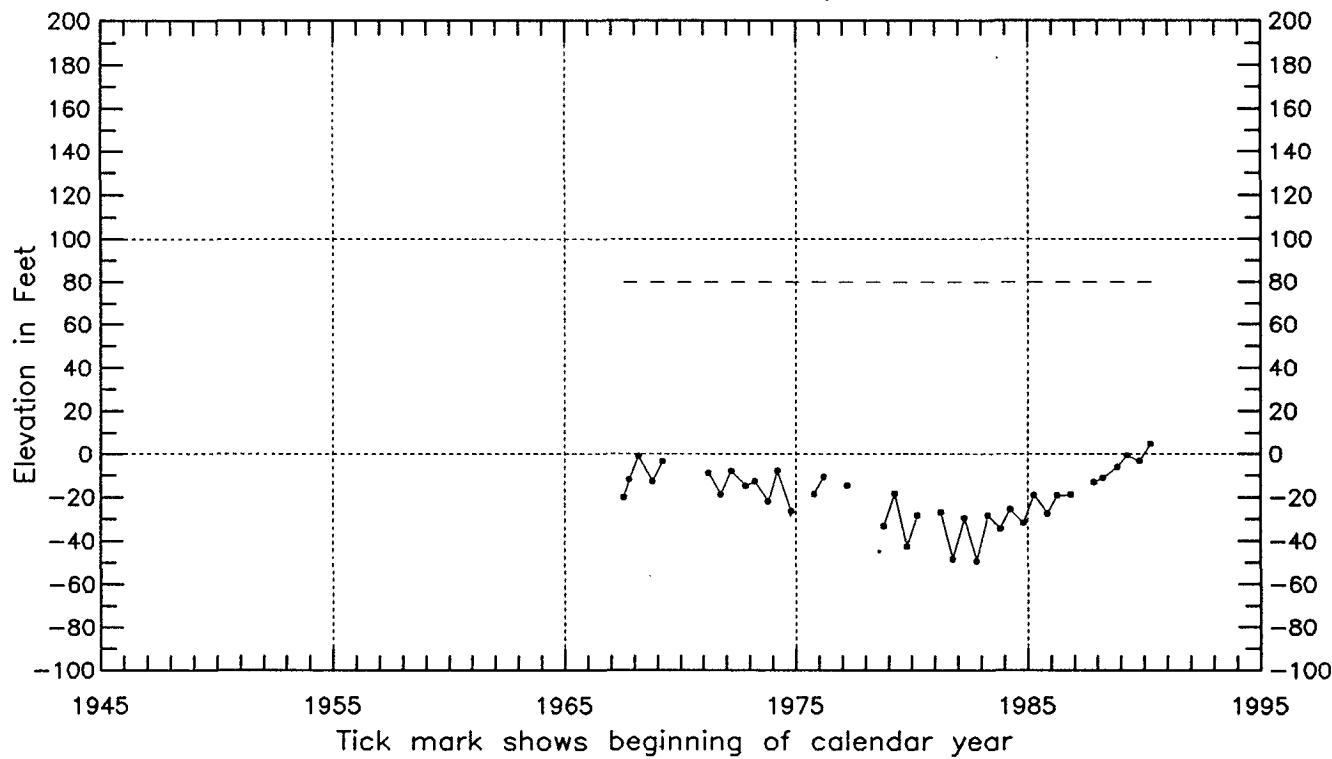
-- Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 15N/04E-24B01M



GROUND WATER ELEVATIONS, 15N/04E-24H01M

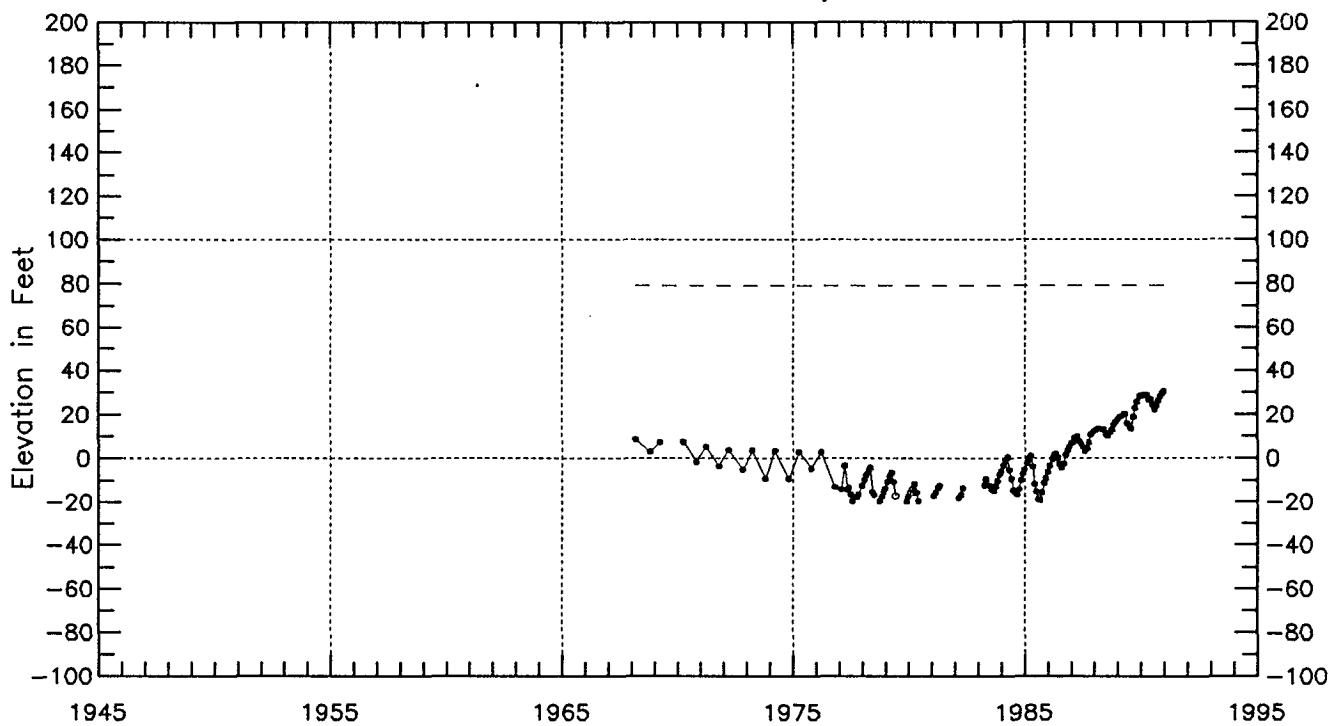


..... Water surface elevation in well
..... Questionable measurement

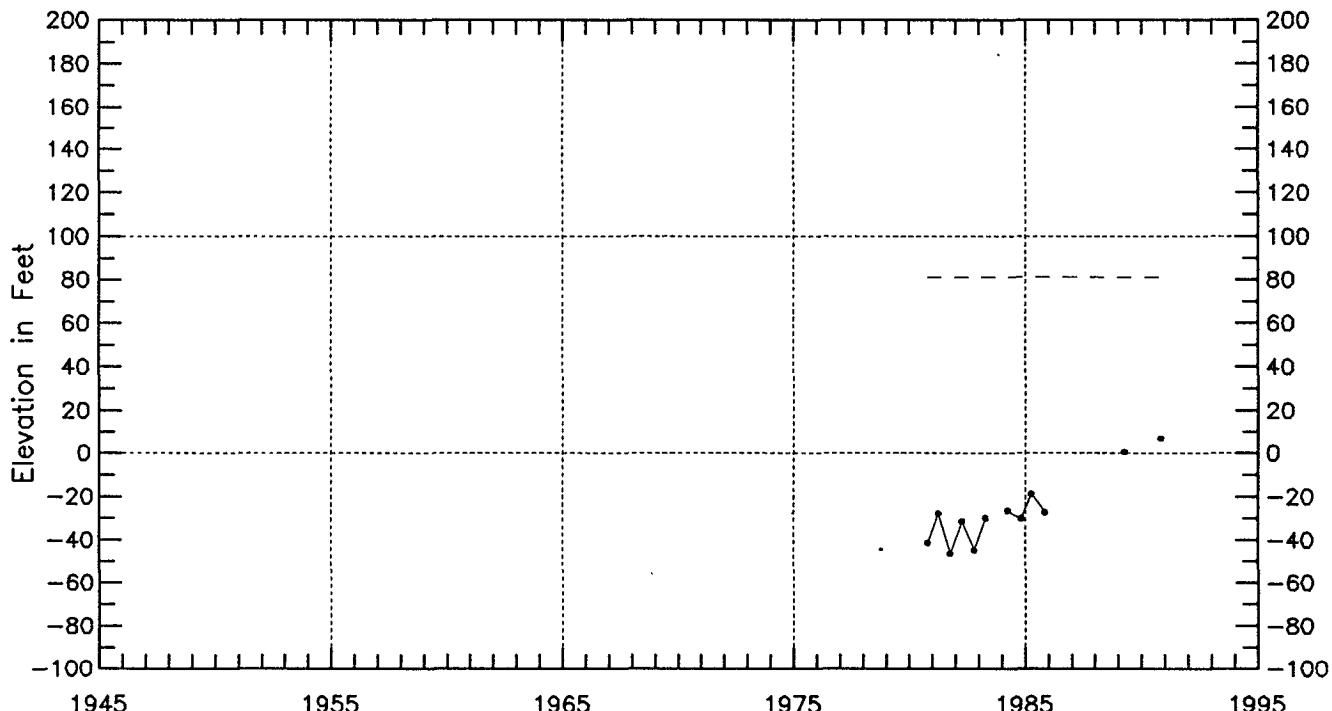
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 15N/04E-24M01M



GROUND WATER ELEVATIONS, 15N/04E-24R02M



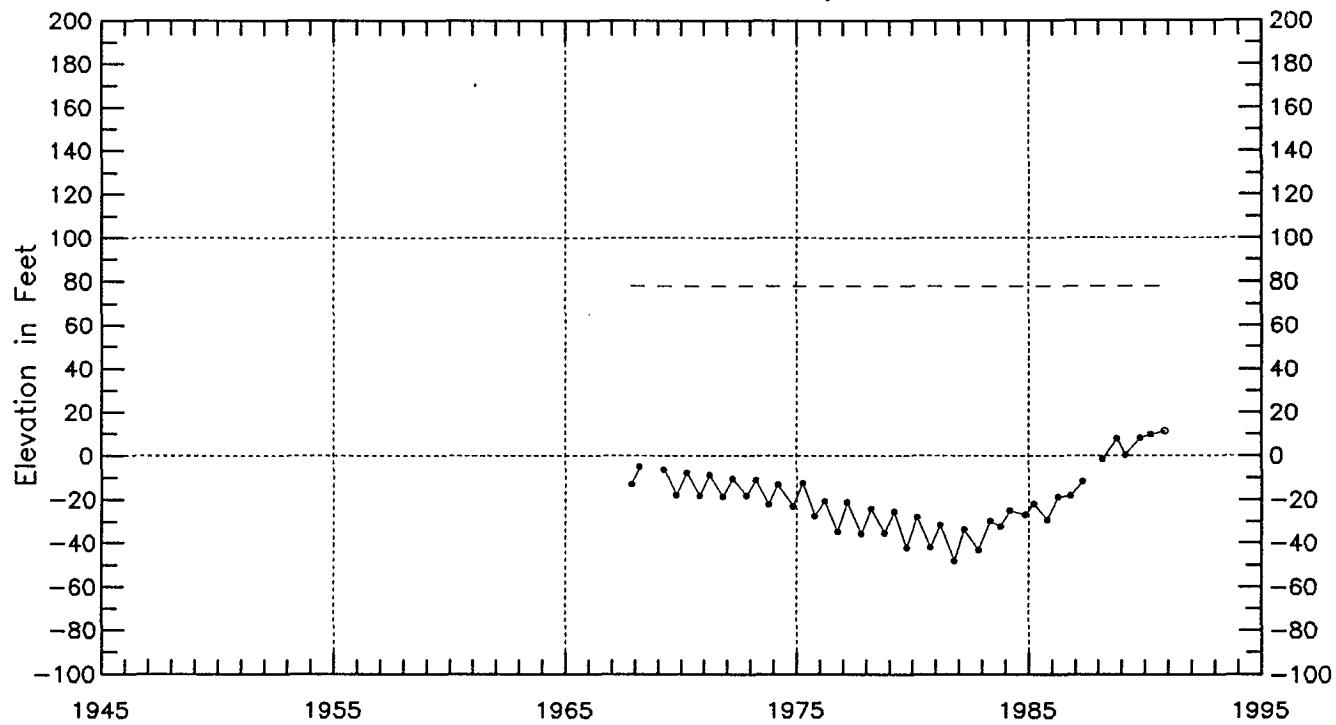
Tick mark shows beginning of calendar year

•••• Water surface elevation in well
○○○○ Questionable measurement

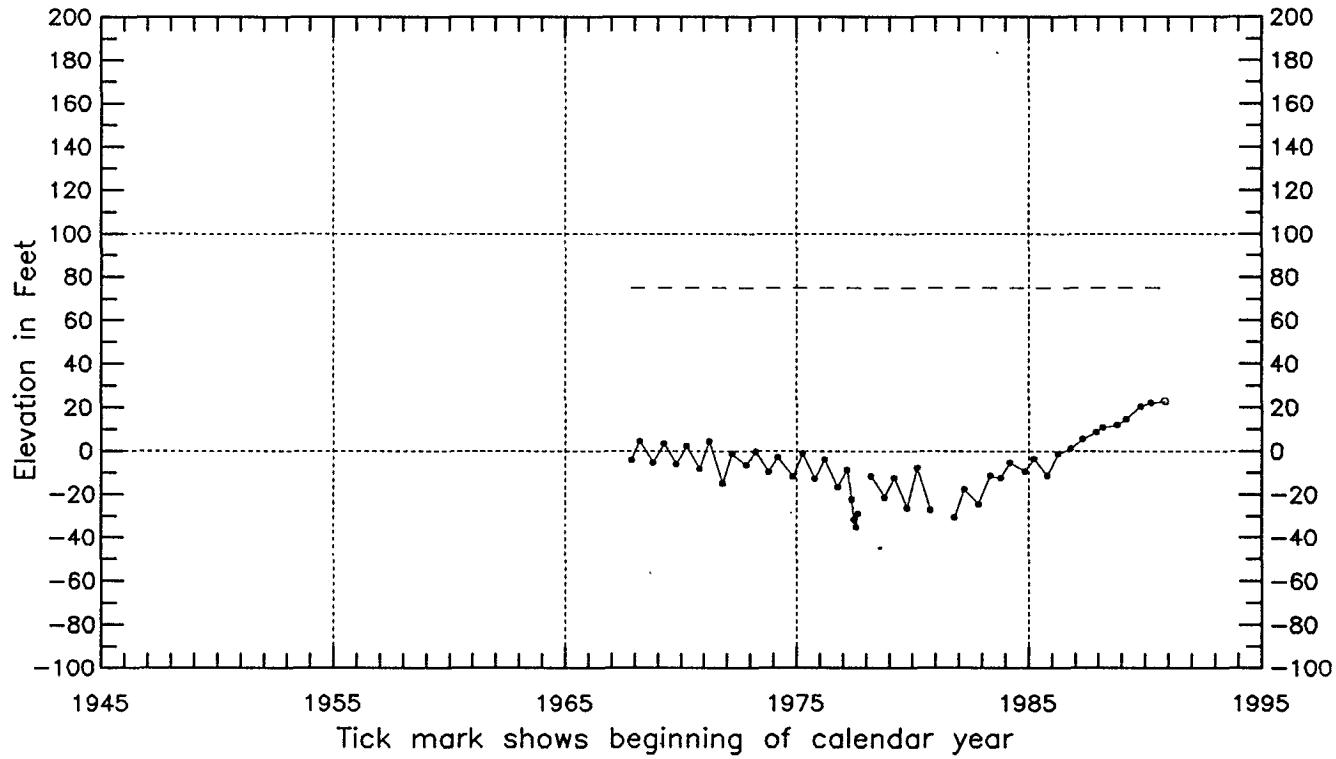
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 15N/04E-25L02M



GROUND WATER ELEVATIONS, 15N/04E-26C01M

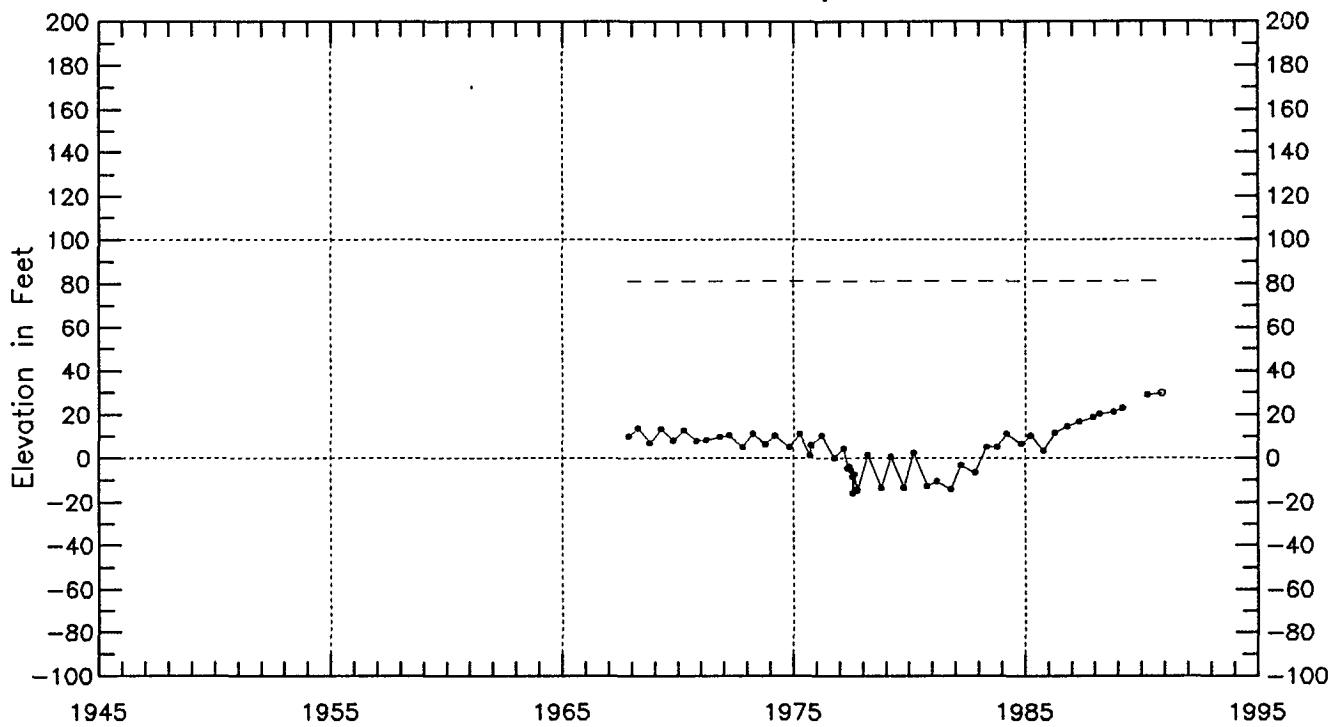


•••• Water surface elevation in well
•••• Questionable measurement

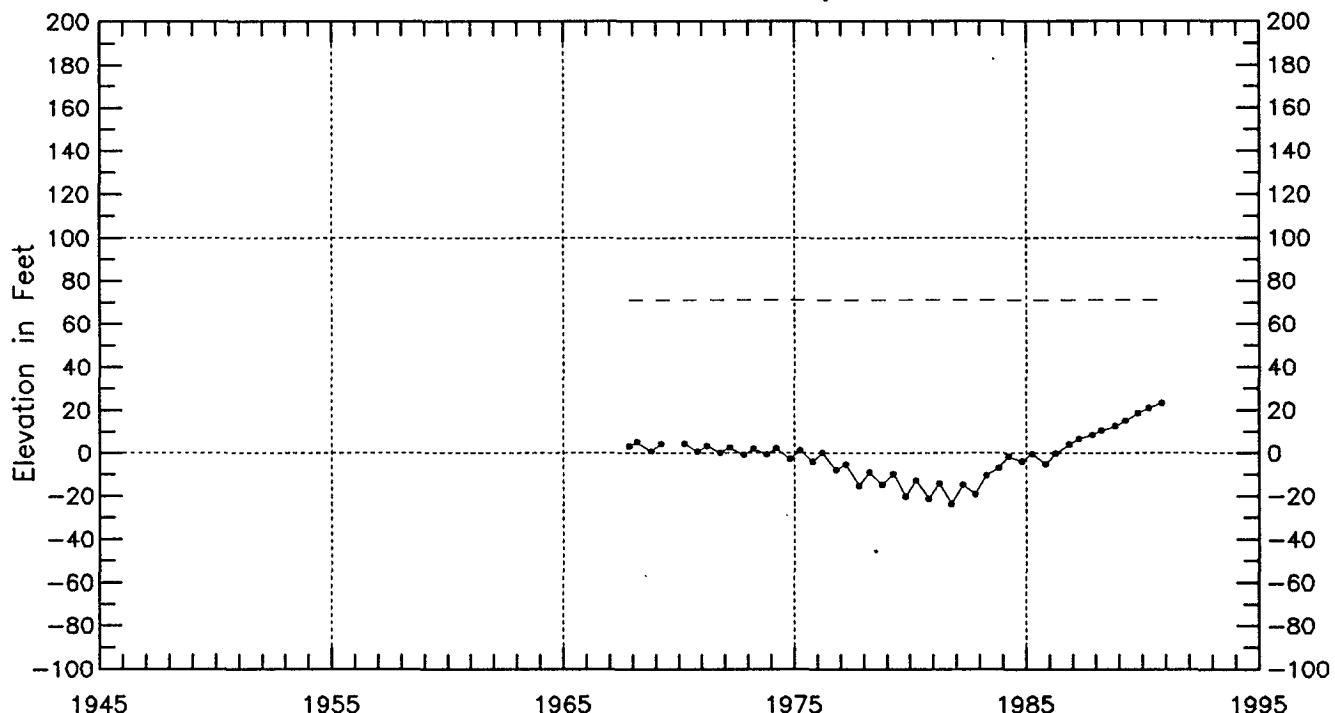
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 15N/04E-27A01M



GROUND WATER ELEVATIONS, 15N/04E-27J01M



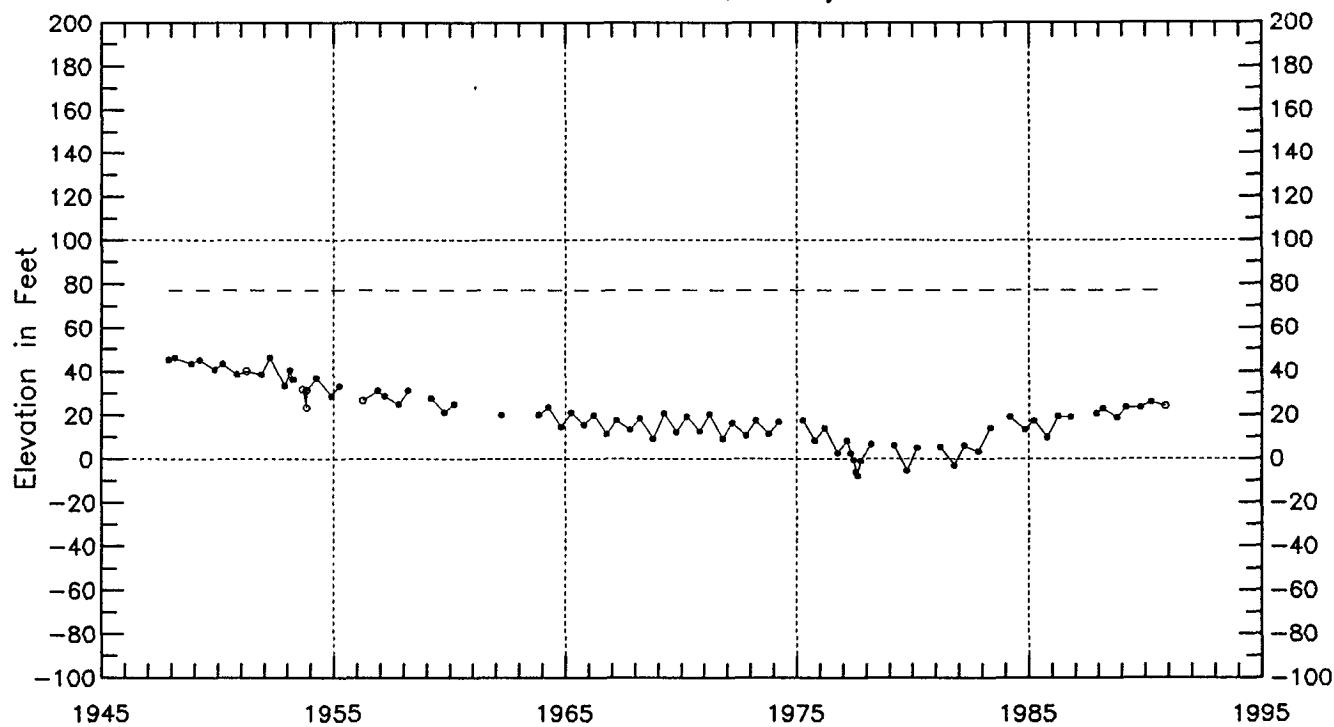
Tick mark shows beginning of calendar year

•••• Water surface elevation in well
•••• Questionable measurement

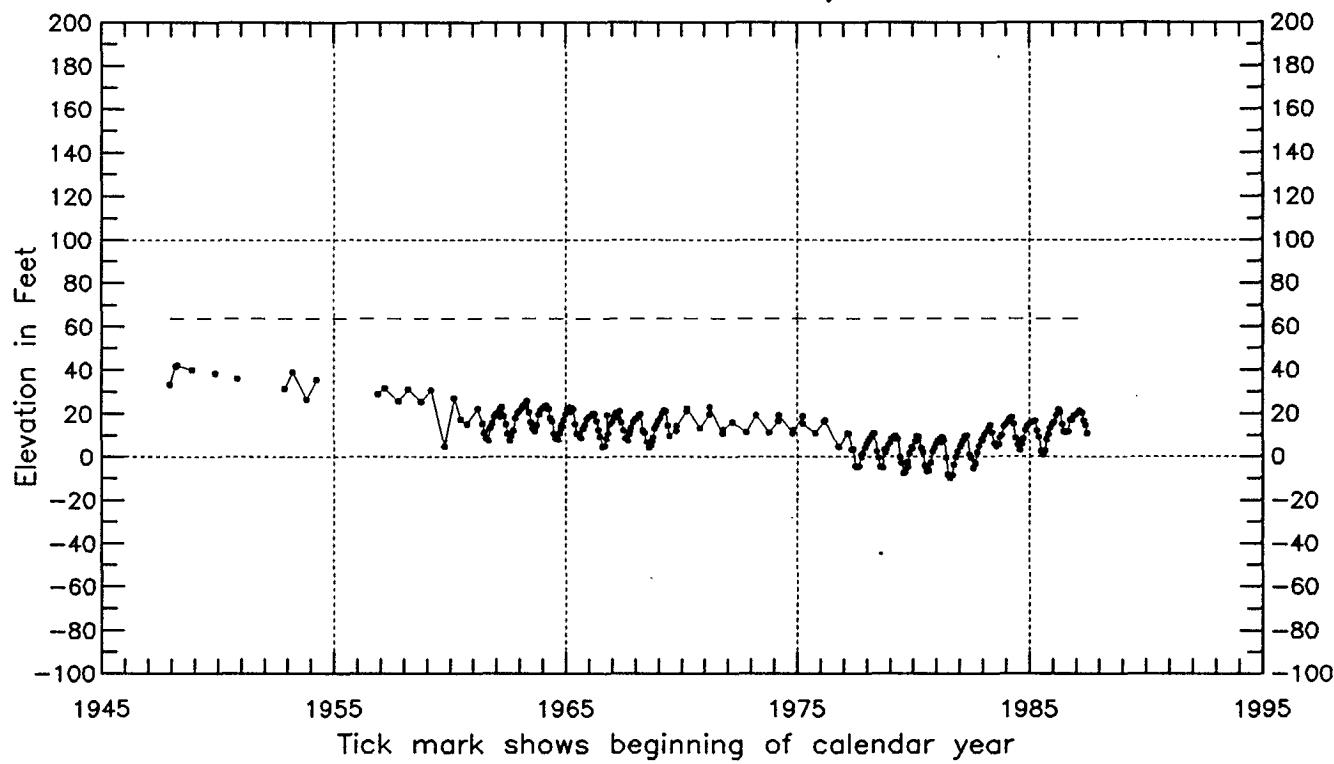
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 15N/04E-28D01M



GROUND WATER ELEVATIONS, 15N/04E-32D01M

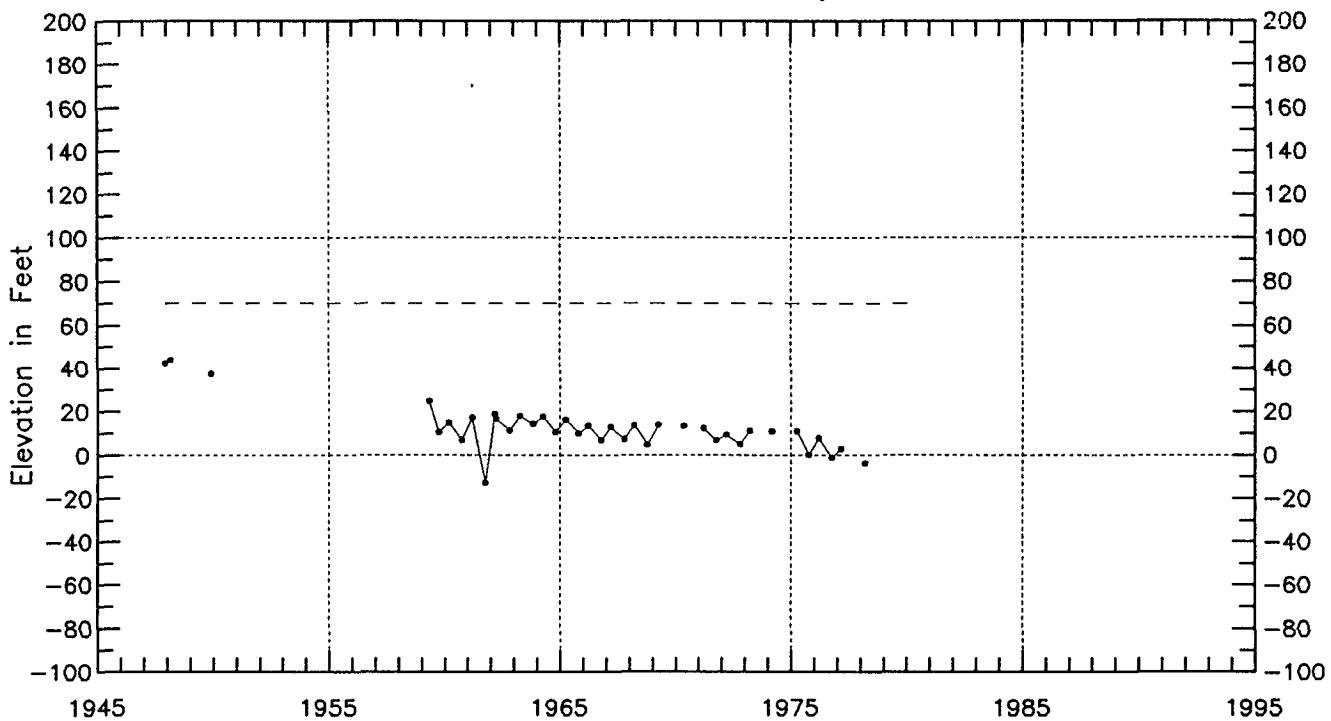


•••• Water surface elevation in well
 •••• Questionable measurement

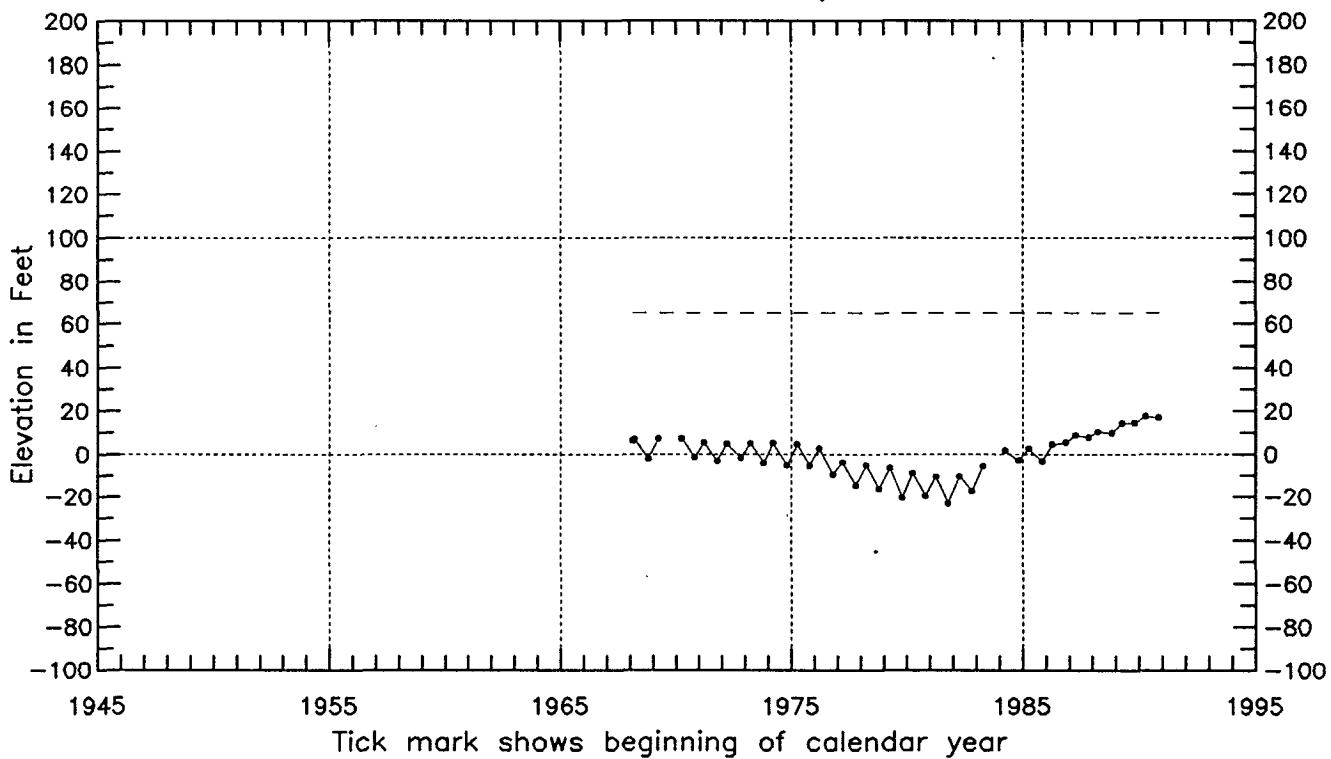
- - - Ground surface elevation at well
 All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 15N/04E-33D01M



GROUND WATER ELEVATIONS, 15N/04E-34E01M

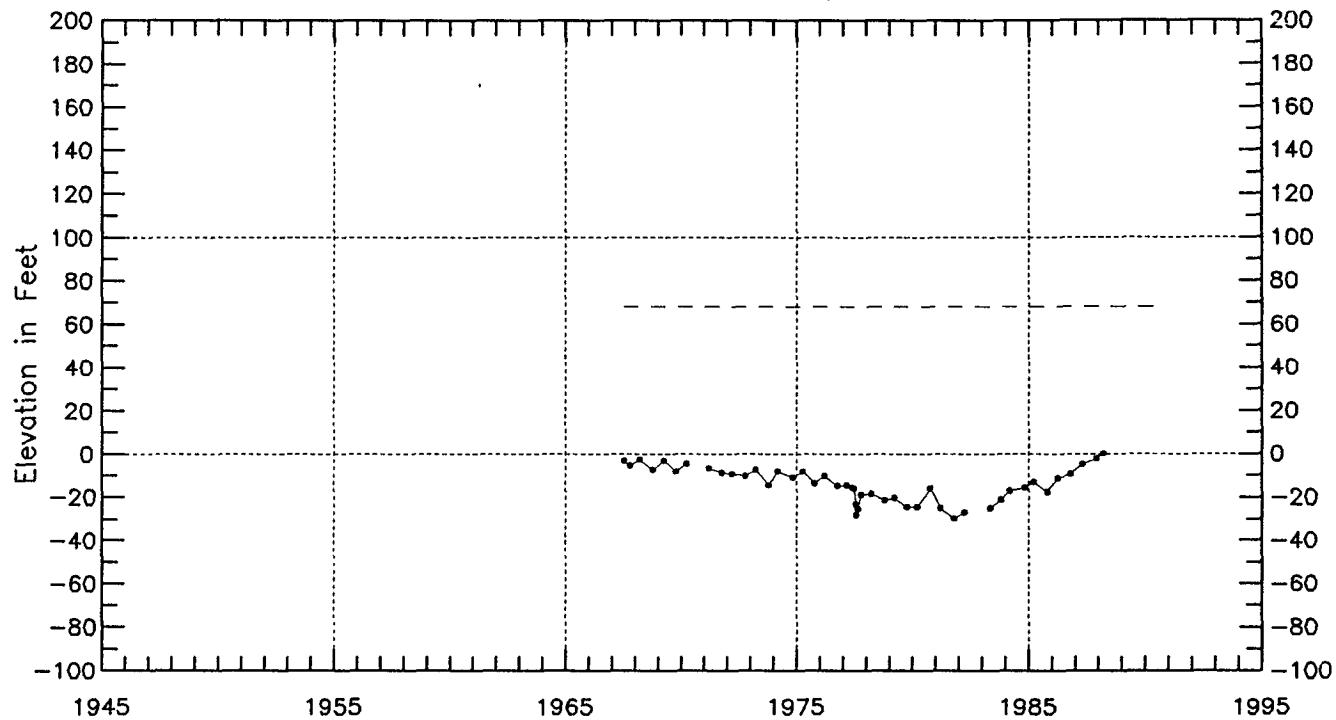


..... Water surface elevation in well
..... Questionable measurement

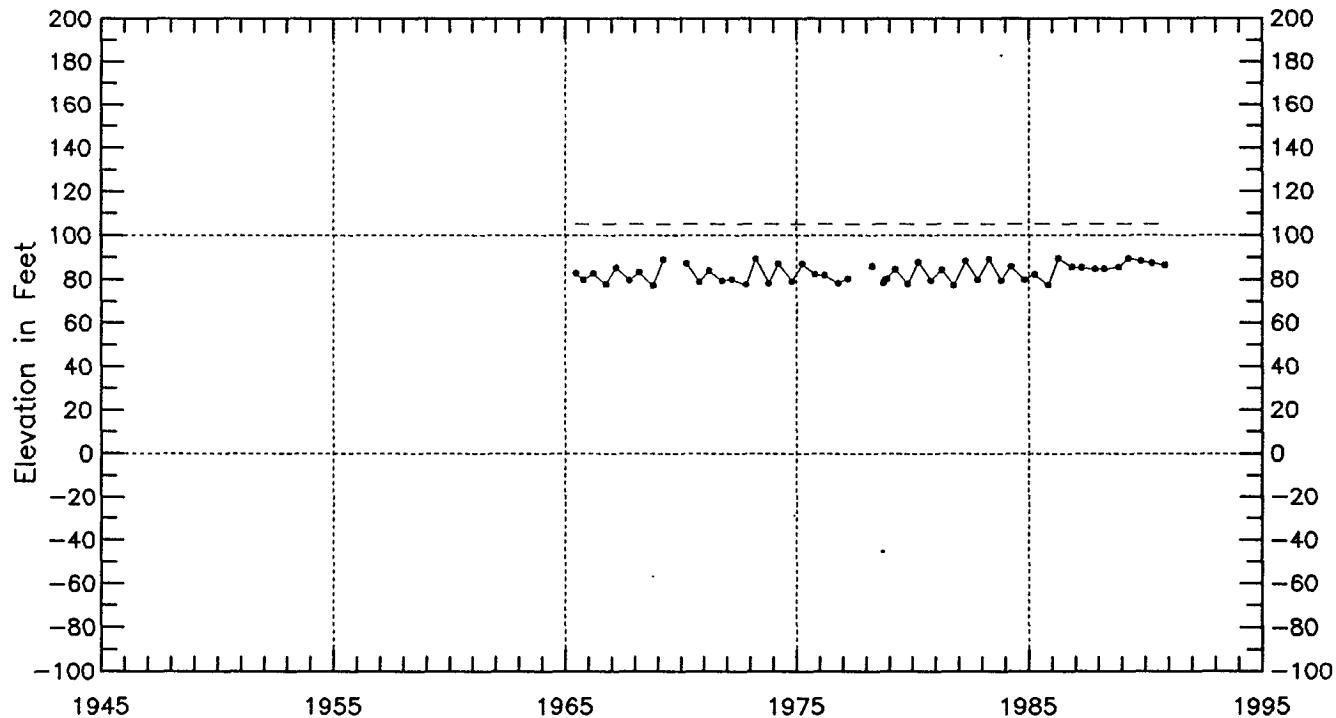
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 15N/04E-35P01M



GROUND WATER ELEVATIONS, 15N/05E-06R01M



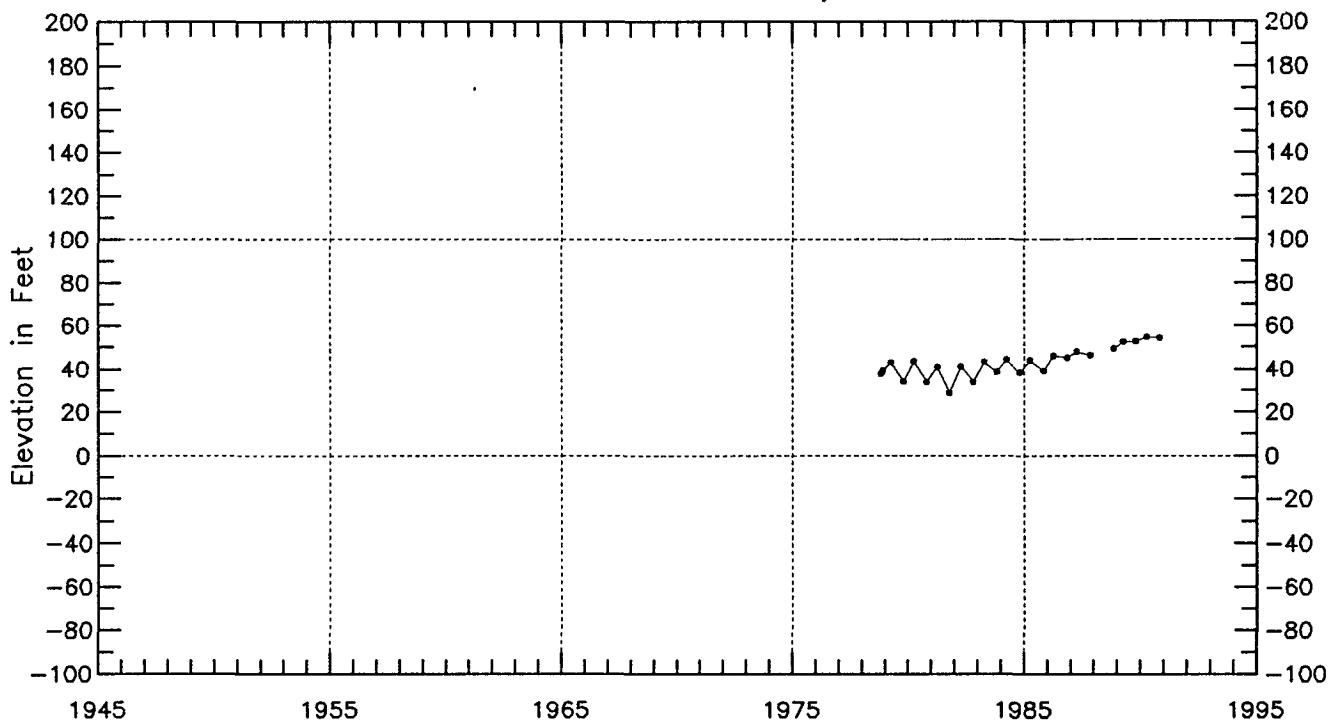
Tick mark shows beginning of calendar year

•••• Water surface elevation in well
•••• Questionable measurement

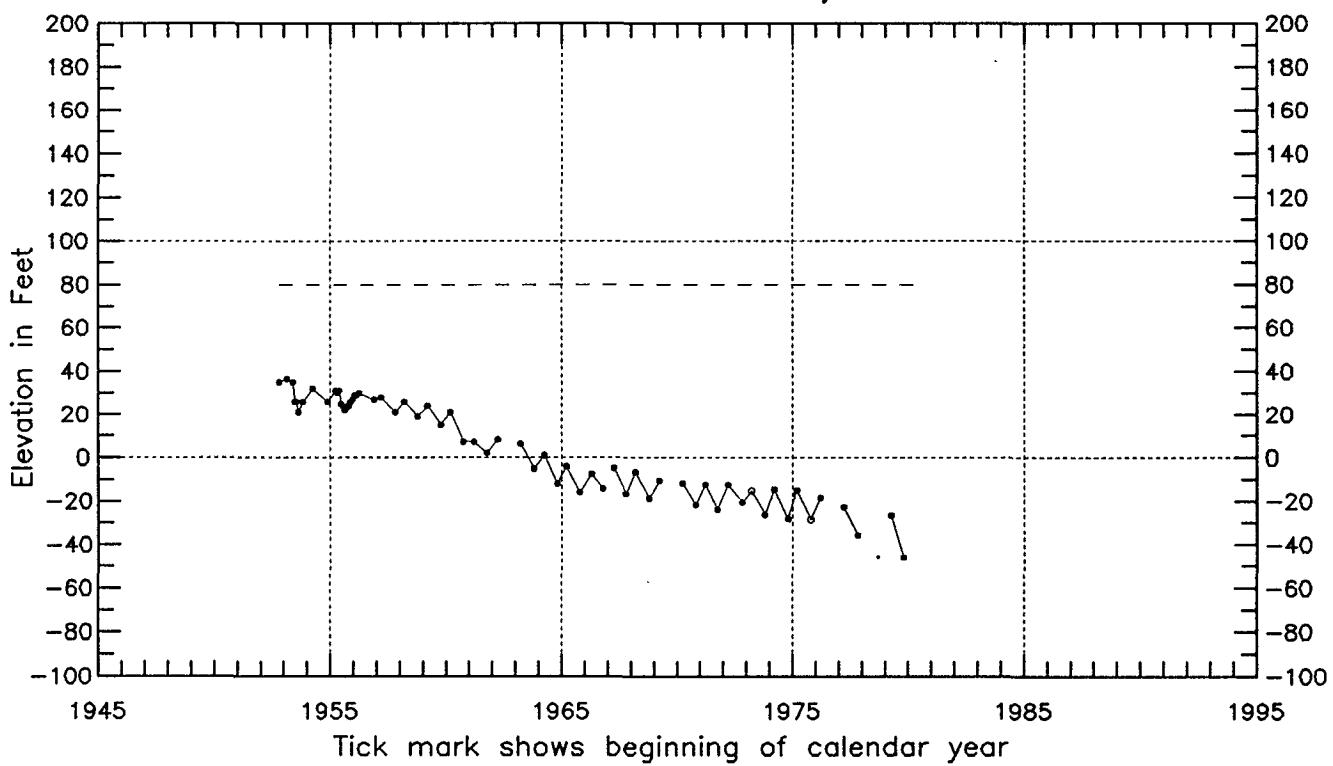
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 15N/05E-07K01M



GROUND WATER ELEVATIONS, 15N/05E-19N01M

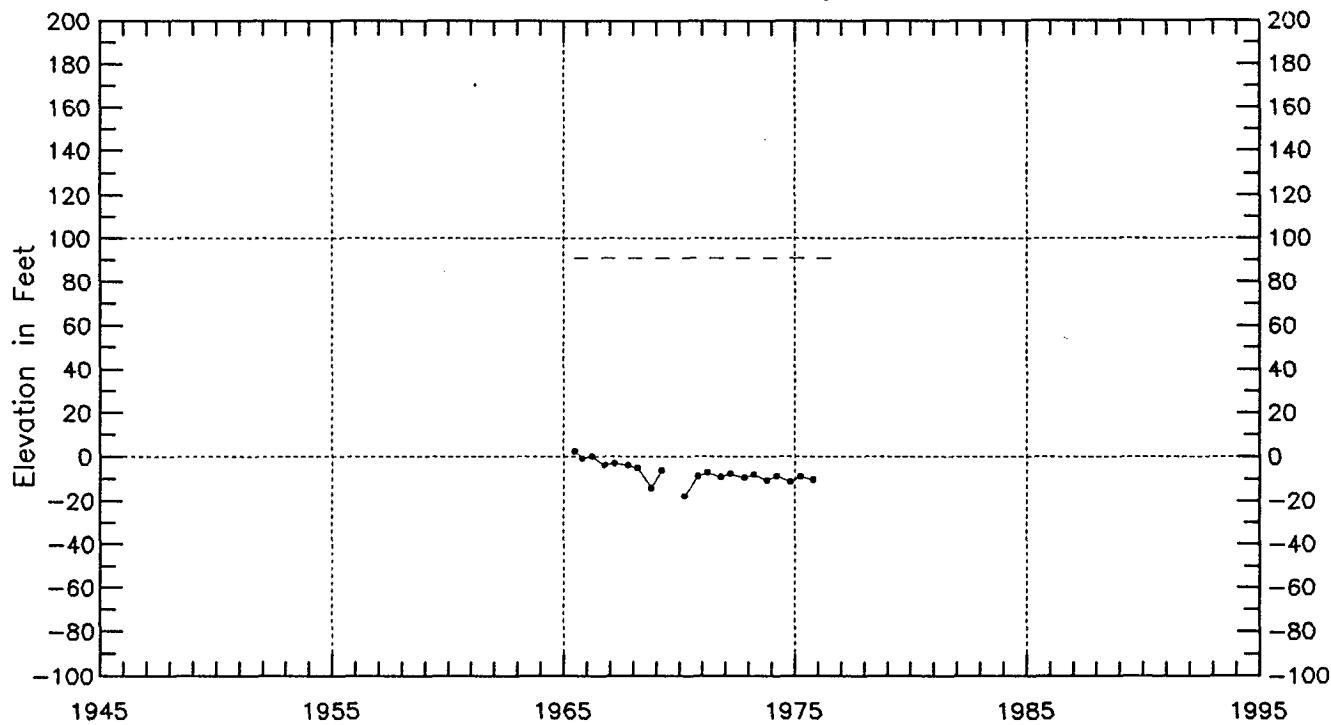


•••• Water surface elevation in well
•••• Questionable measurement

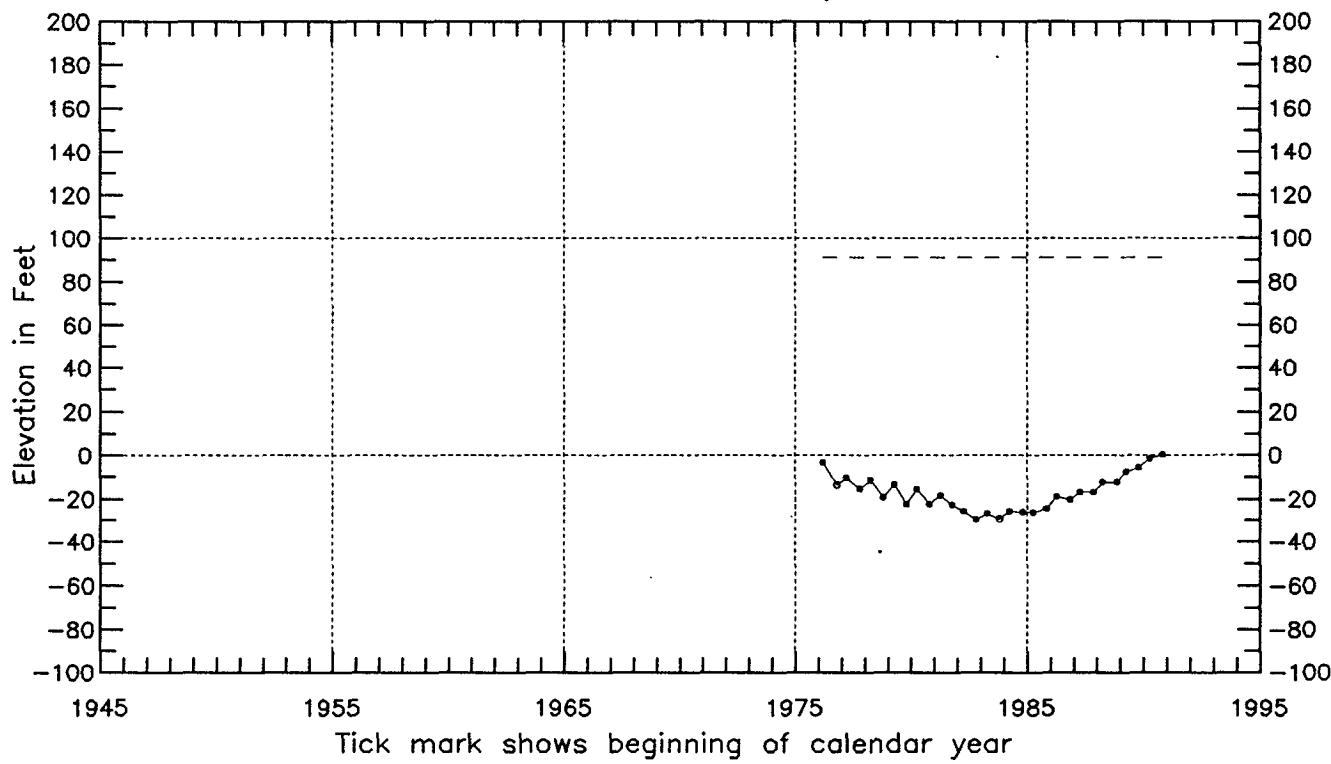
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 15N/05E-29C01M



GROUND WATER ELEVATIONS, 15N/05E-29C02M



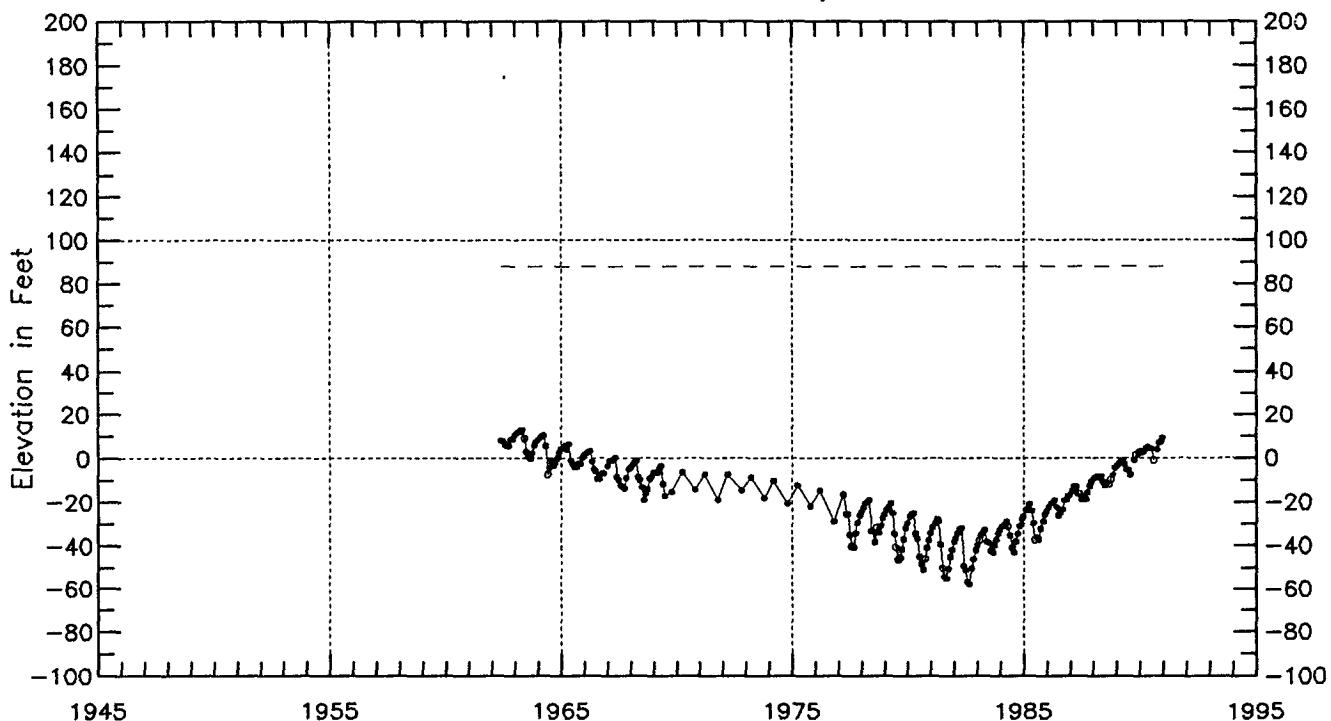
Tick mark shows beginning of calendar year

..... Water surface elevation in well
..... Questionable measurement

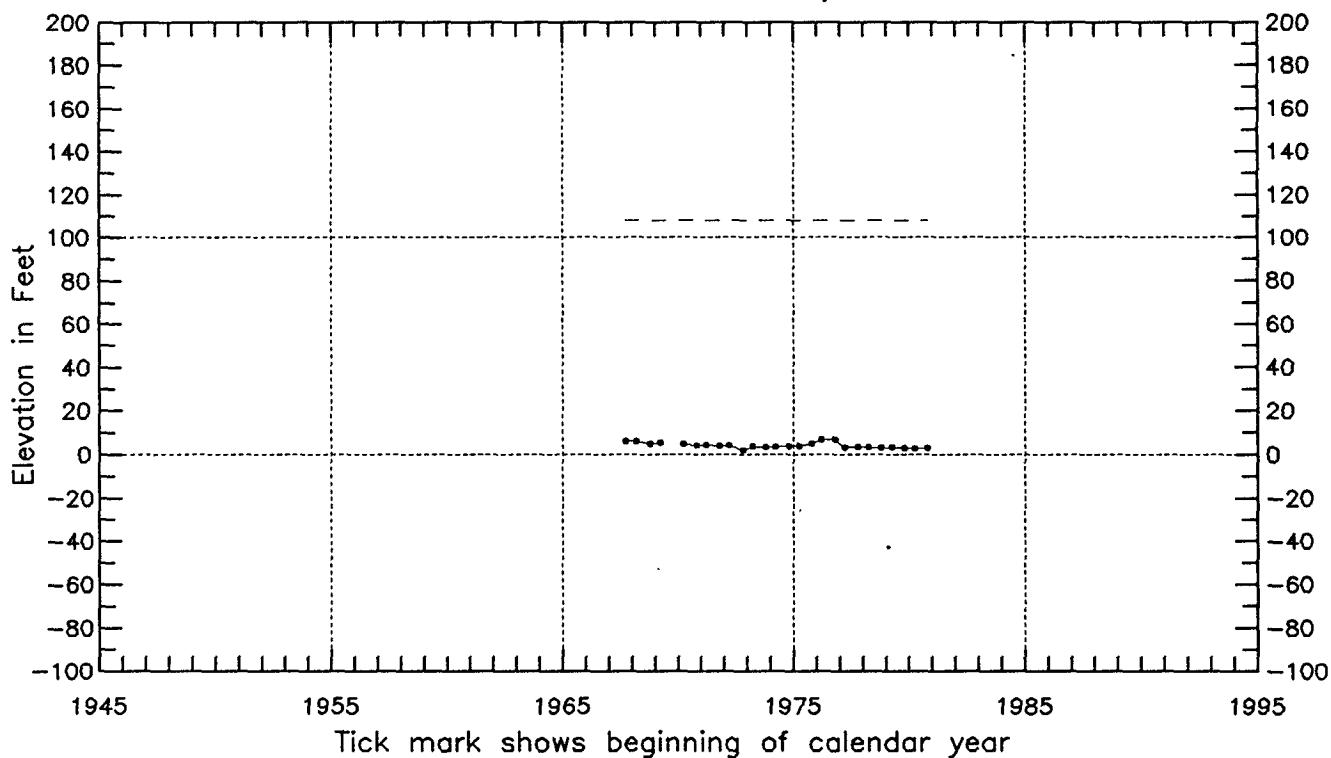
-- Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 15N/05E-30B01M



GROUND WATER ELEVATIONS, 15N/05E-33G01M

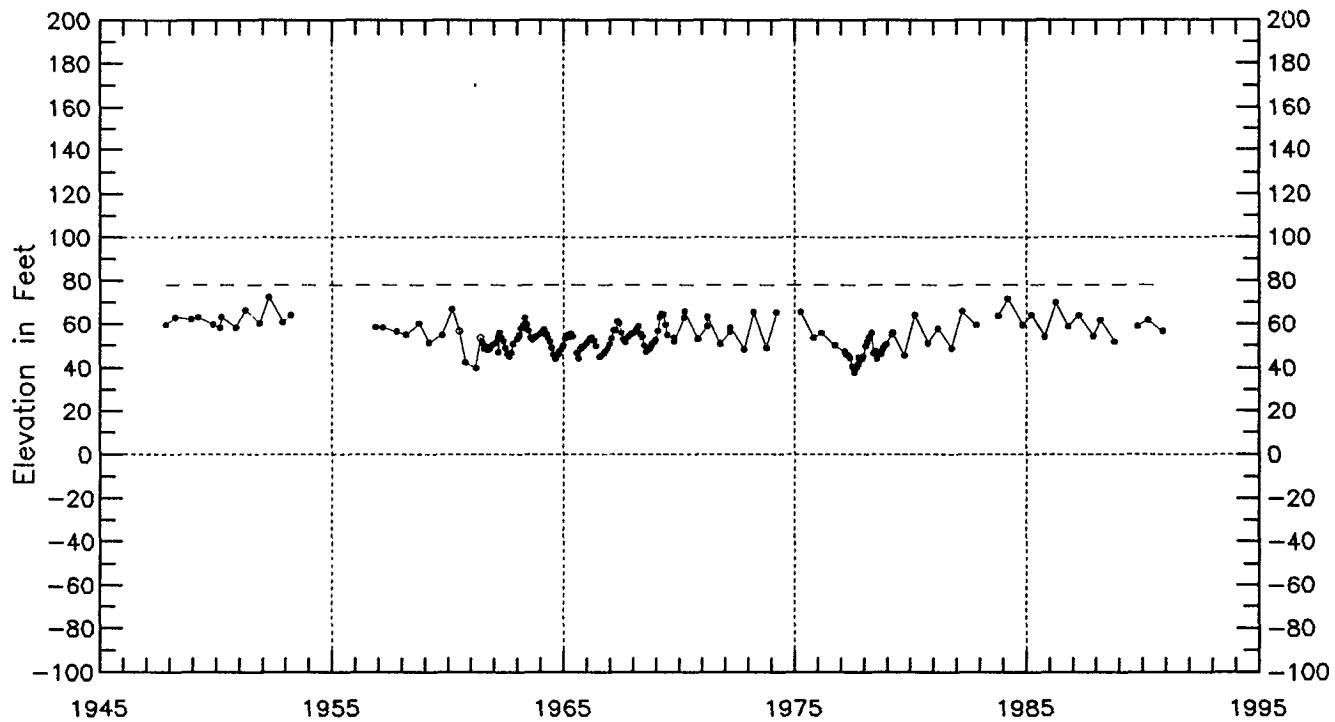


•••• Water surface elevation in well
•••• Questionable measurement

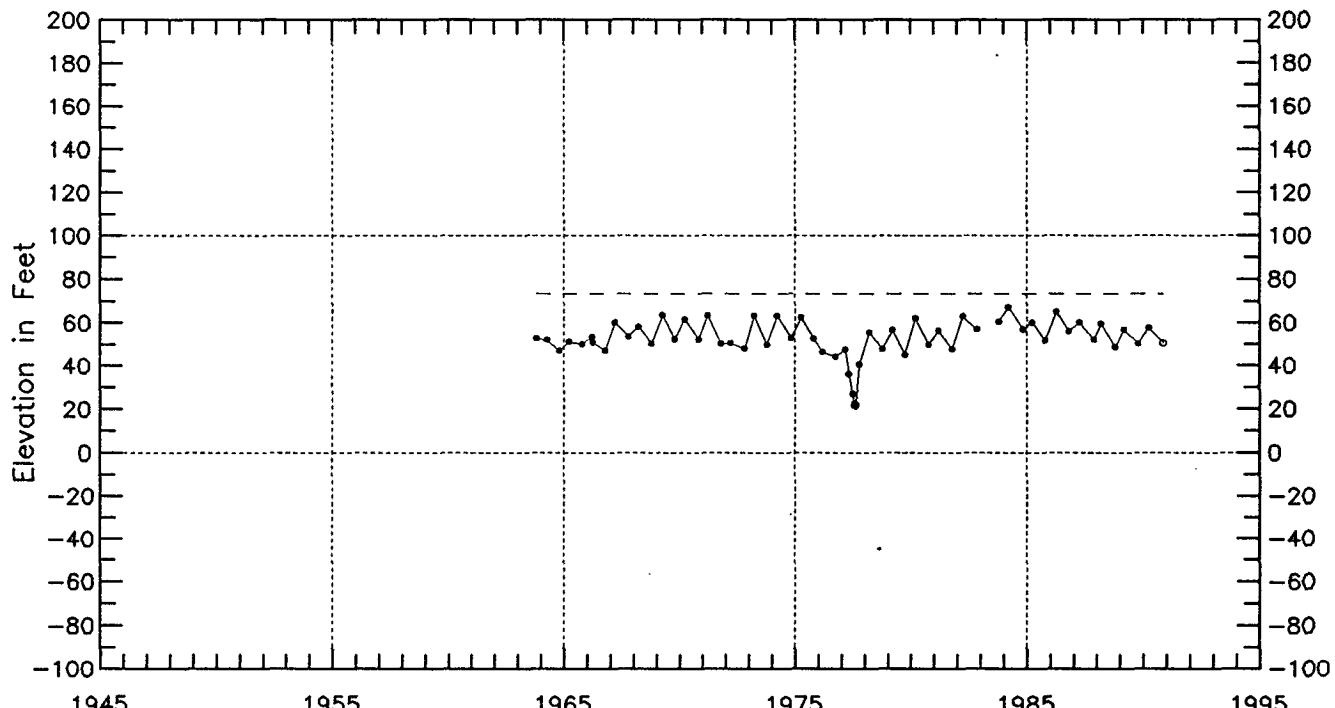
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 16N/03E-01P02M



GROUND WATER ELEVATIONS, 16N/03E-14B02M



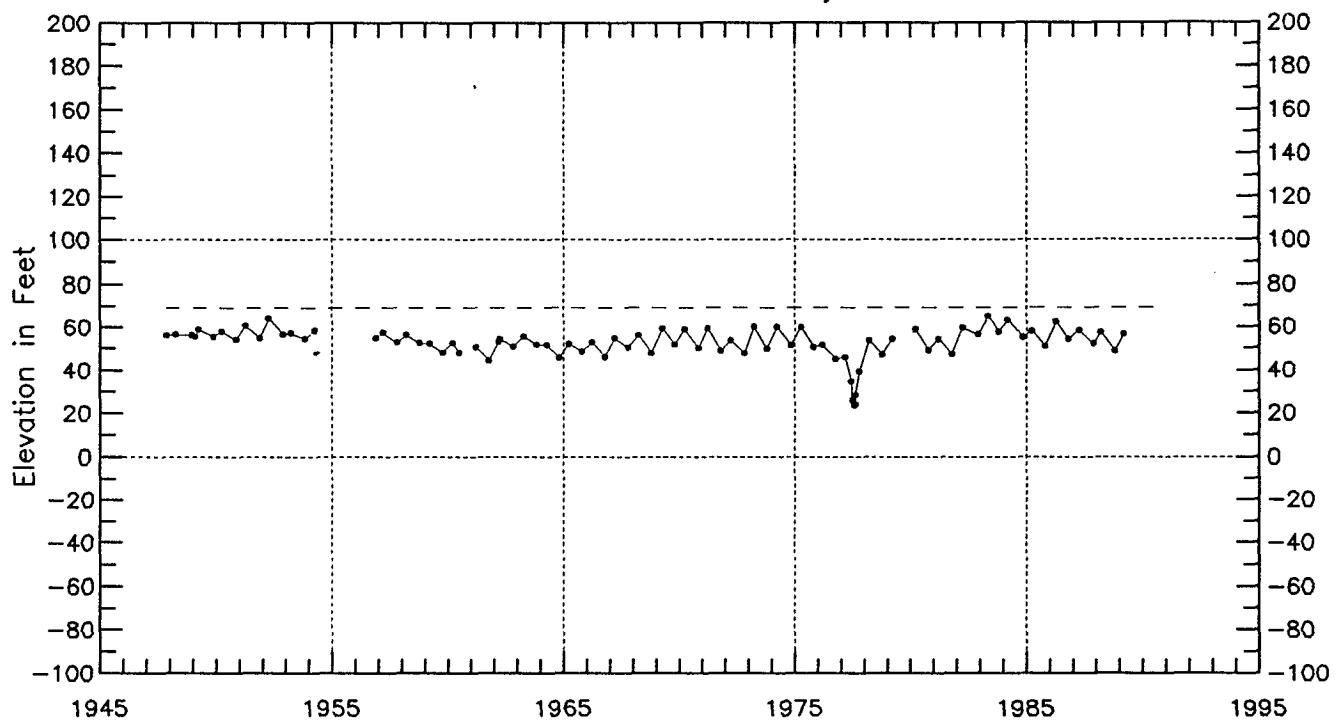
Tick mark shows beginning of calendar year

•••• Water surface elevation in well
•••• Questionable measurement

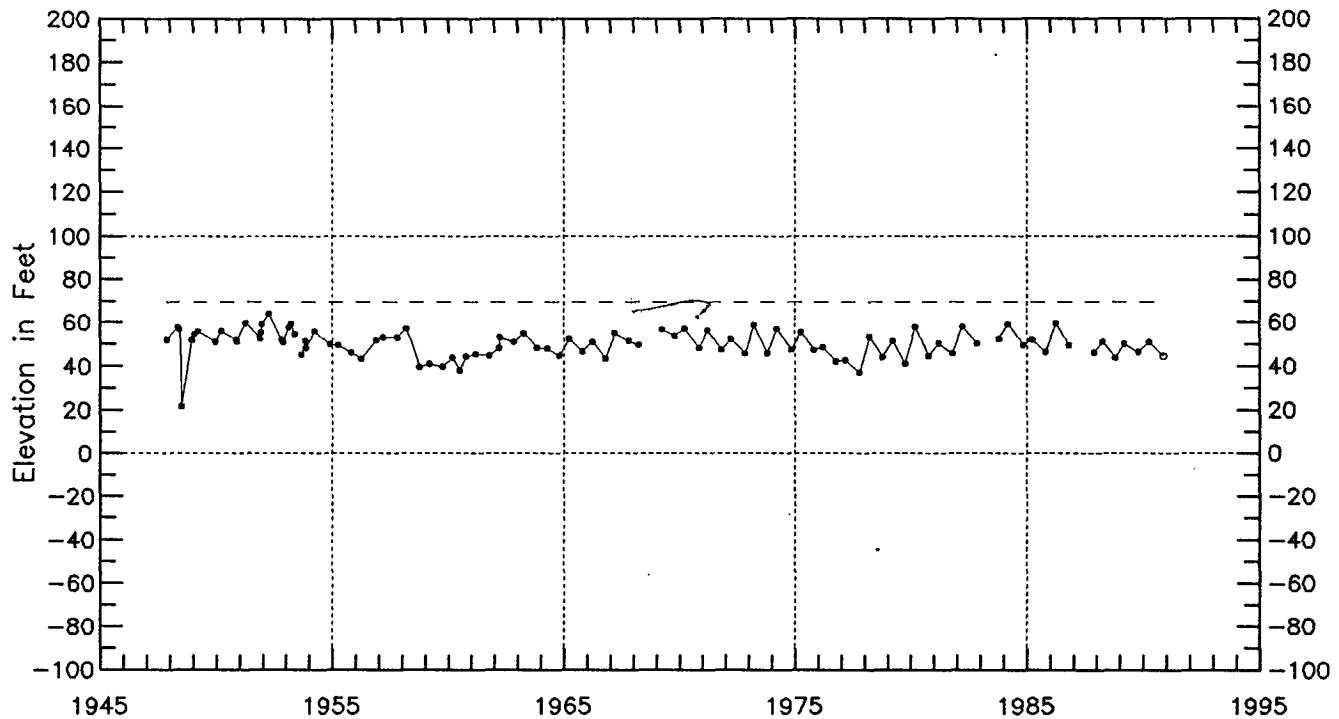
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 16N/03E-24A01M



GROUND WATER ELEVATIONS, 16N/03E-26F01M



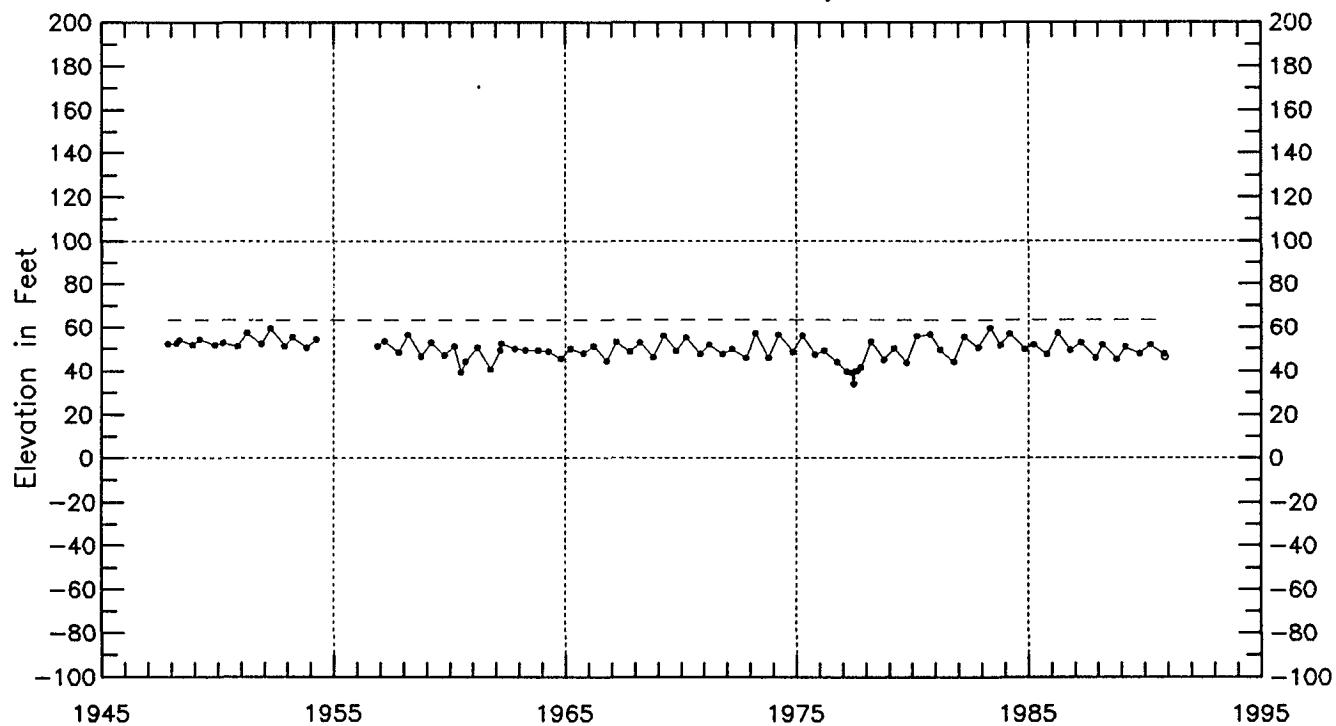
Tick mark shows beginning of calendar year

•••• Water surface elevation in well
•••• Questionable measurement

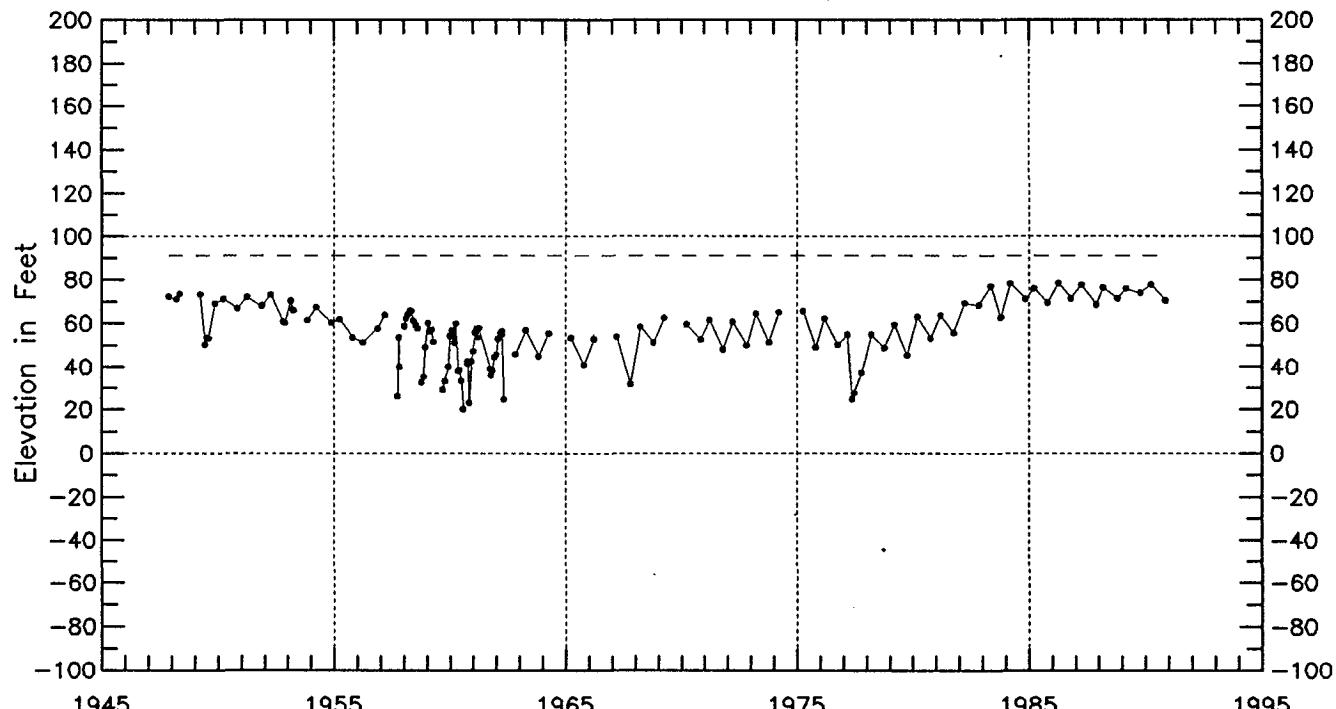
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 16N/03E-36G01M



GROUND WATER ELEVATIONS, 16N/04E-08A01M



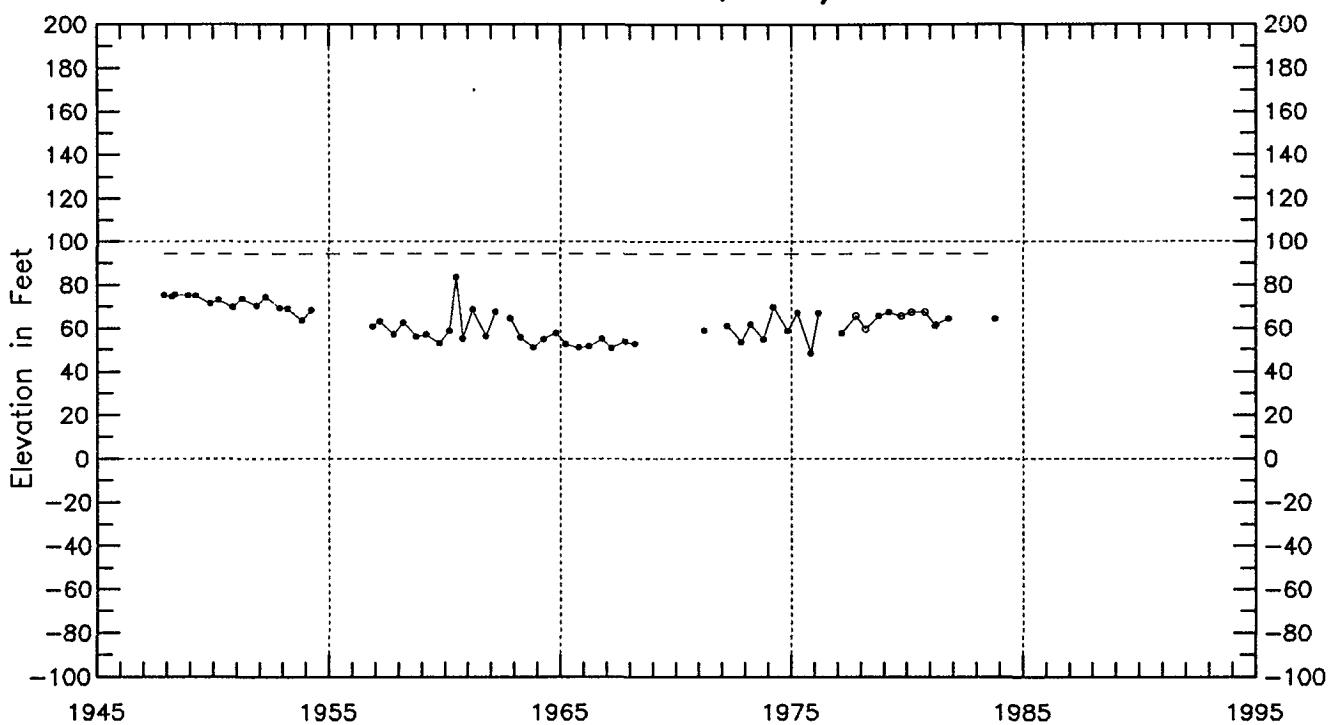
Tick mark shows beginning of calendar year

•••• Water surface elevation in well
•••• Questionable measurement

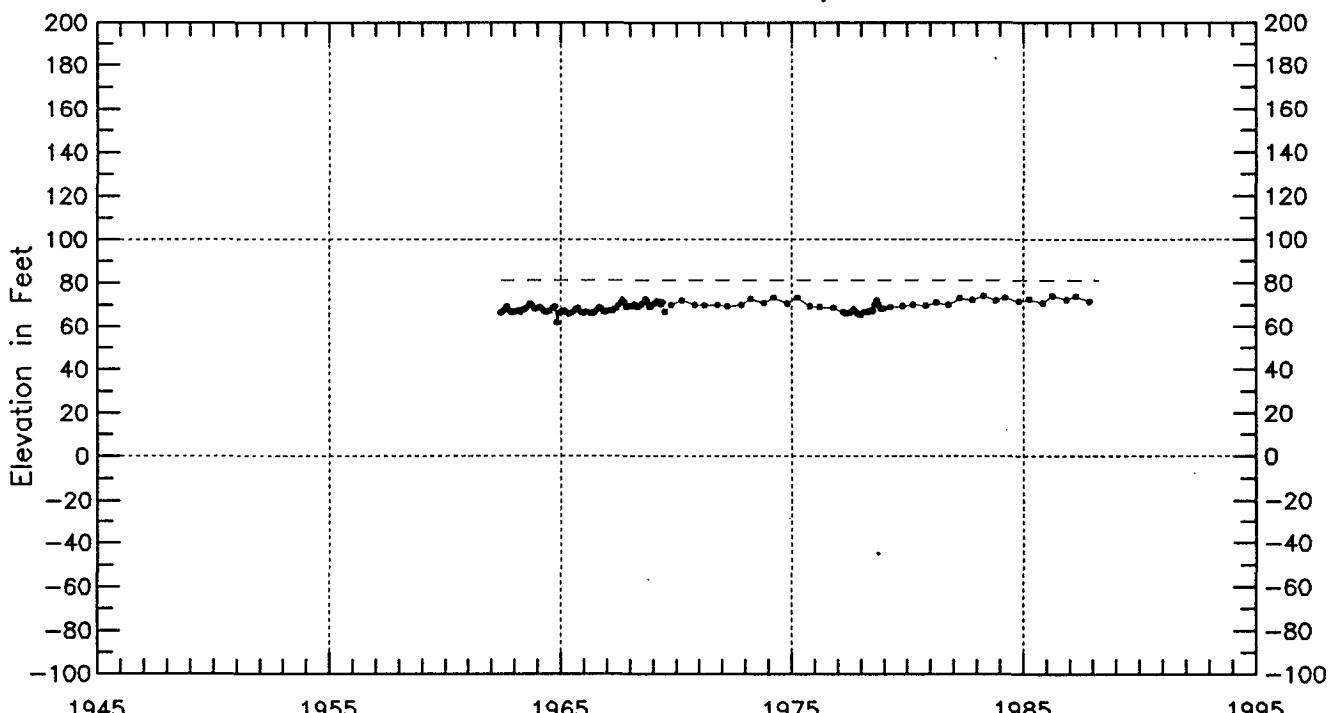
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 16N/04E-16A01M



GROUND WATER ELEVATIONS, 16N/04E-17R01M



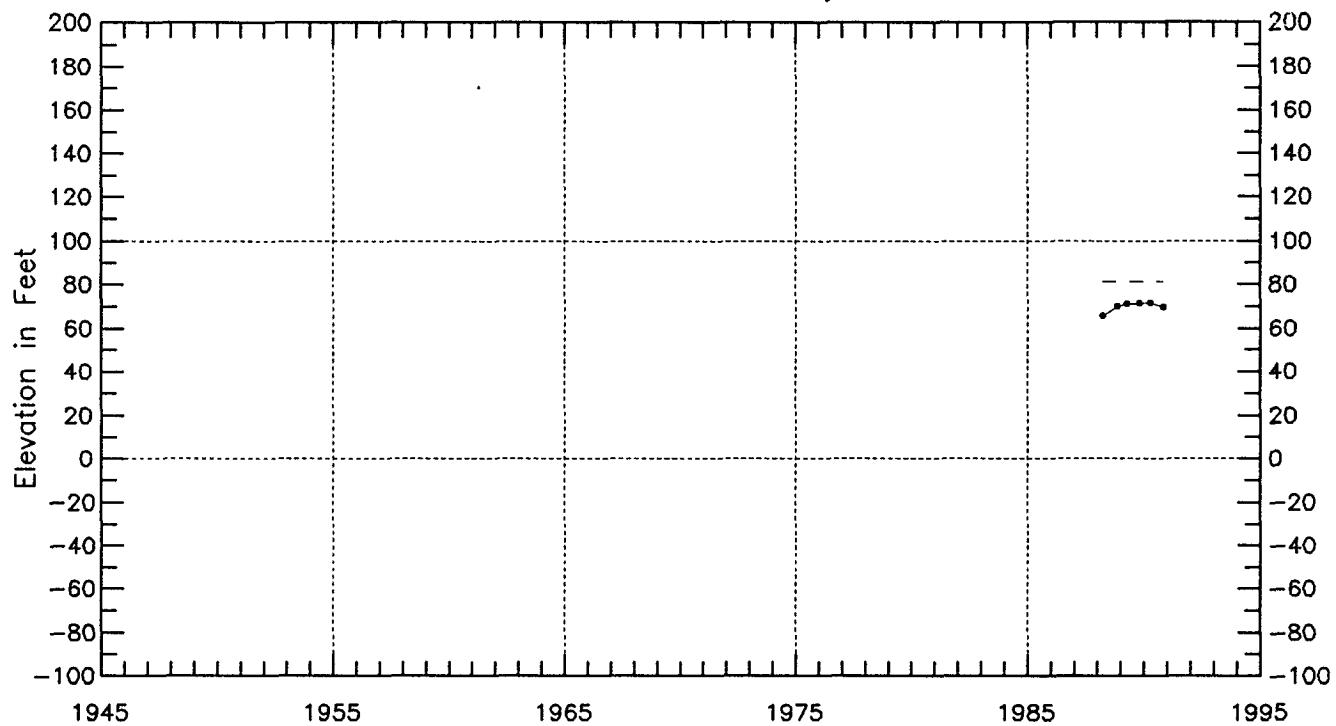
Tick mark shows beginning of calendar year

•••• Water surface elevation in well
•••• Questionable measurement

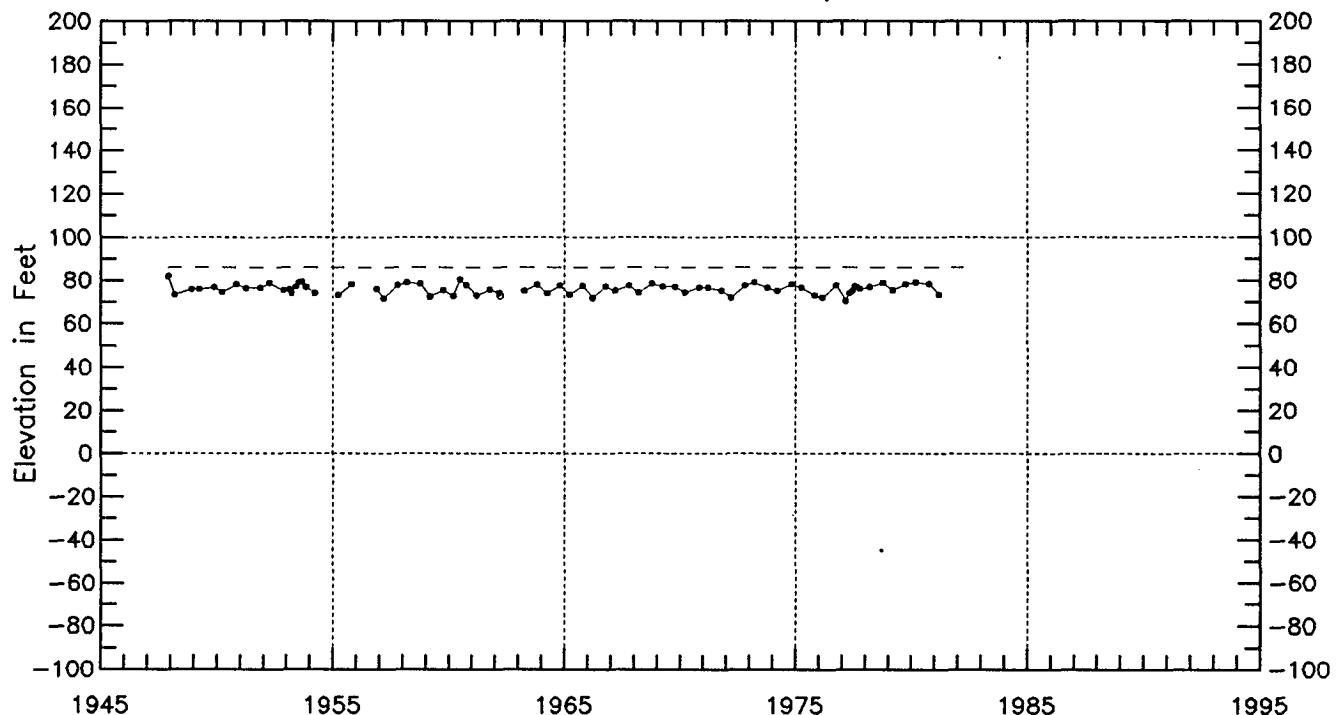
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 16N/04E-17R02M



GROUND WATER ELEVATIONS, 16N/04E-27P02M



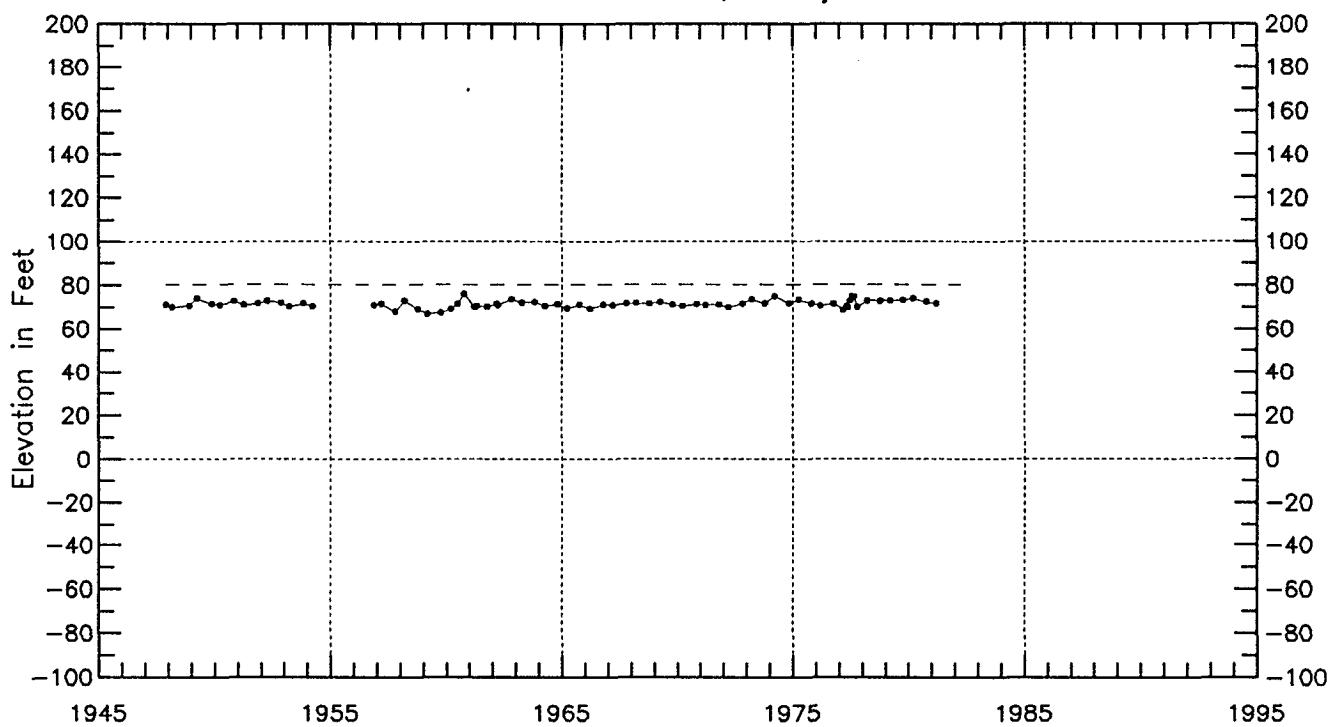
Tick mark shows beginning of calendar year

..... Water surface elevation in well
..... Questionable measurement

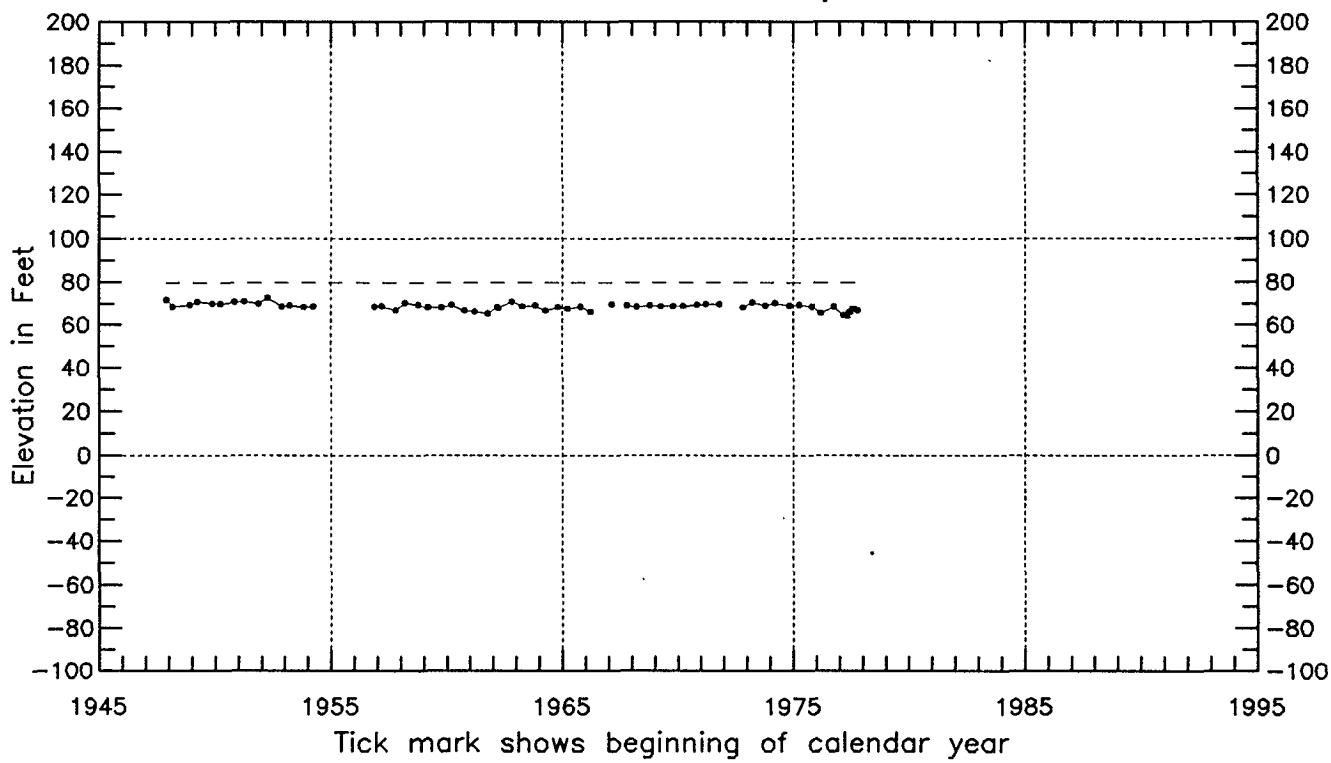
— Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 16N/04E-28E01M



GROUND WATER ELEVATIONS, 16N/04E-33N01M



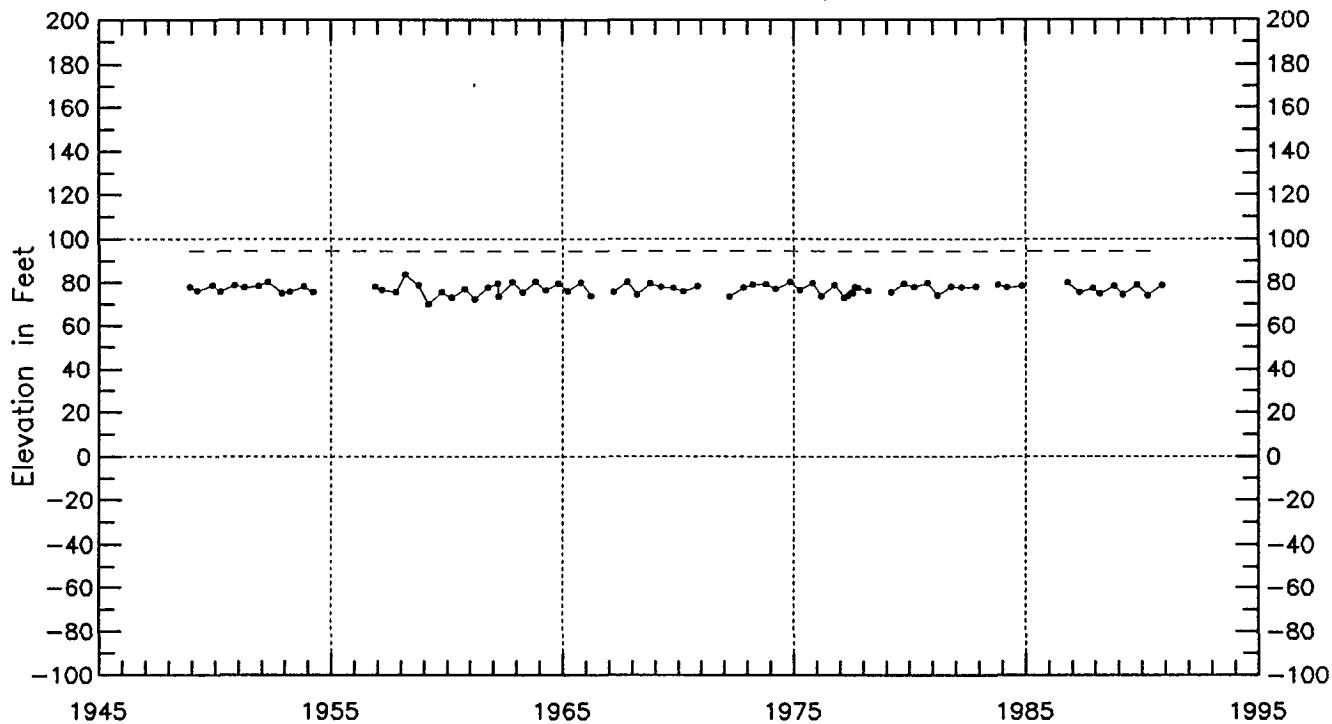
Tick mark shows beginning of calendar year

•••• Water surface elevation in well
•••• Questionable measurement

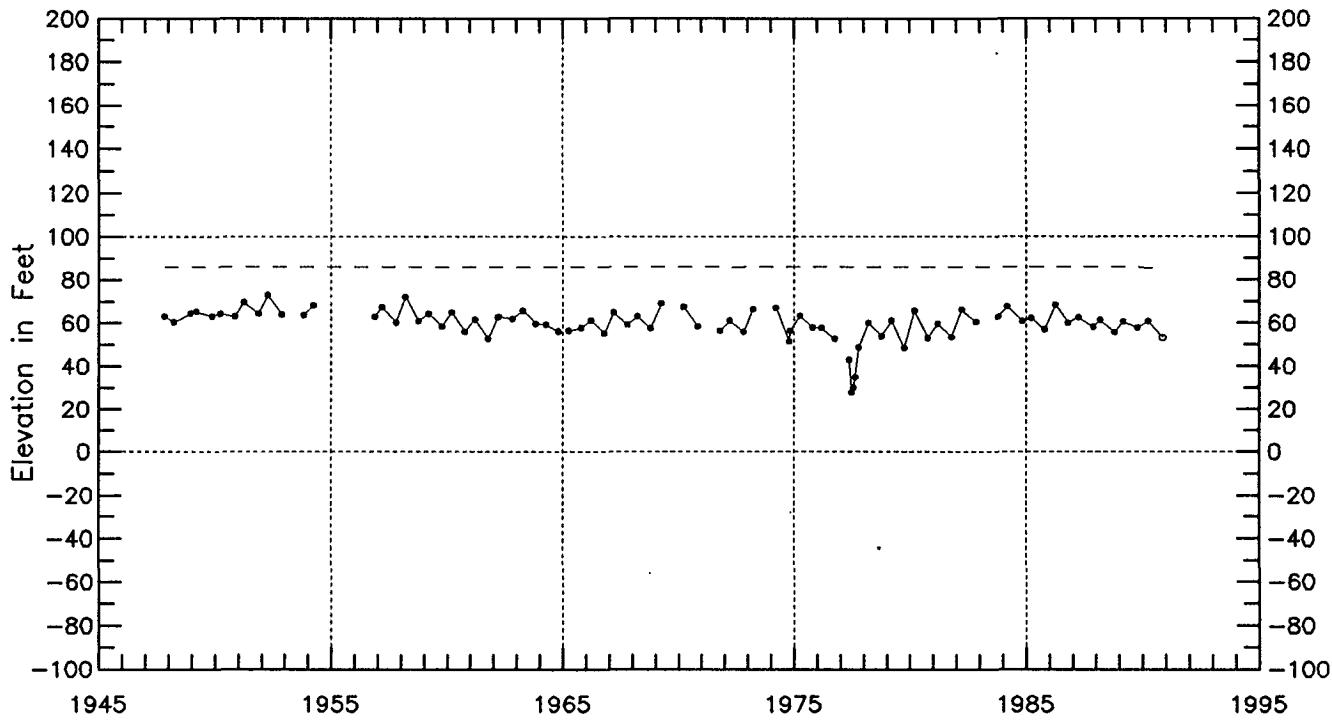
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 16N/04E-34Q01M



GROUND WATER ELEVATIONS, 17N/03E-22R01M



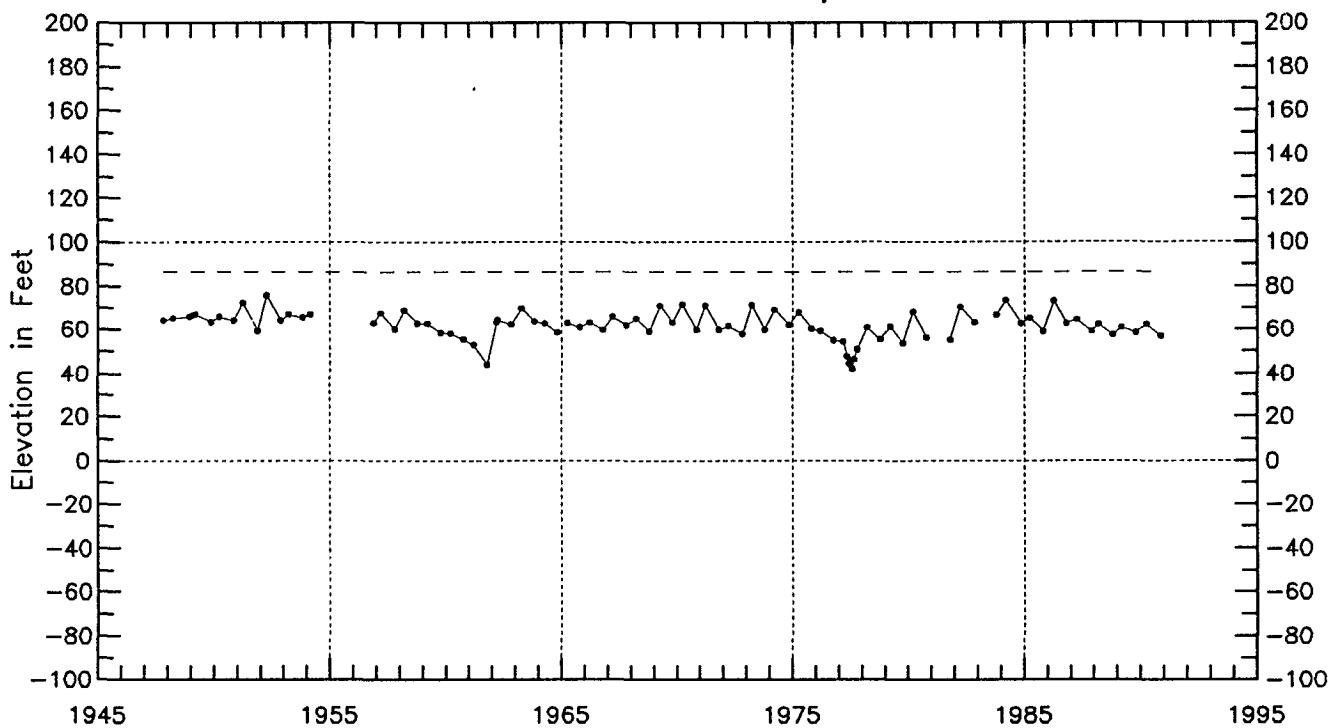
Tick mark shows beginning of calendar year

•••• Water surface elevation in well
•••• Questionable measurement

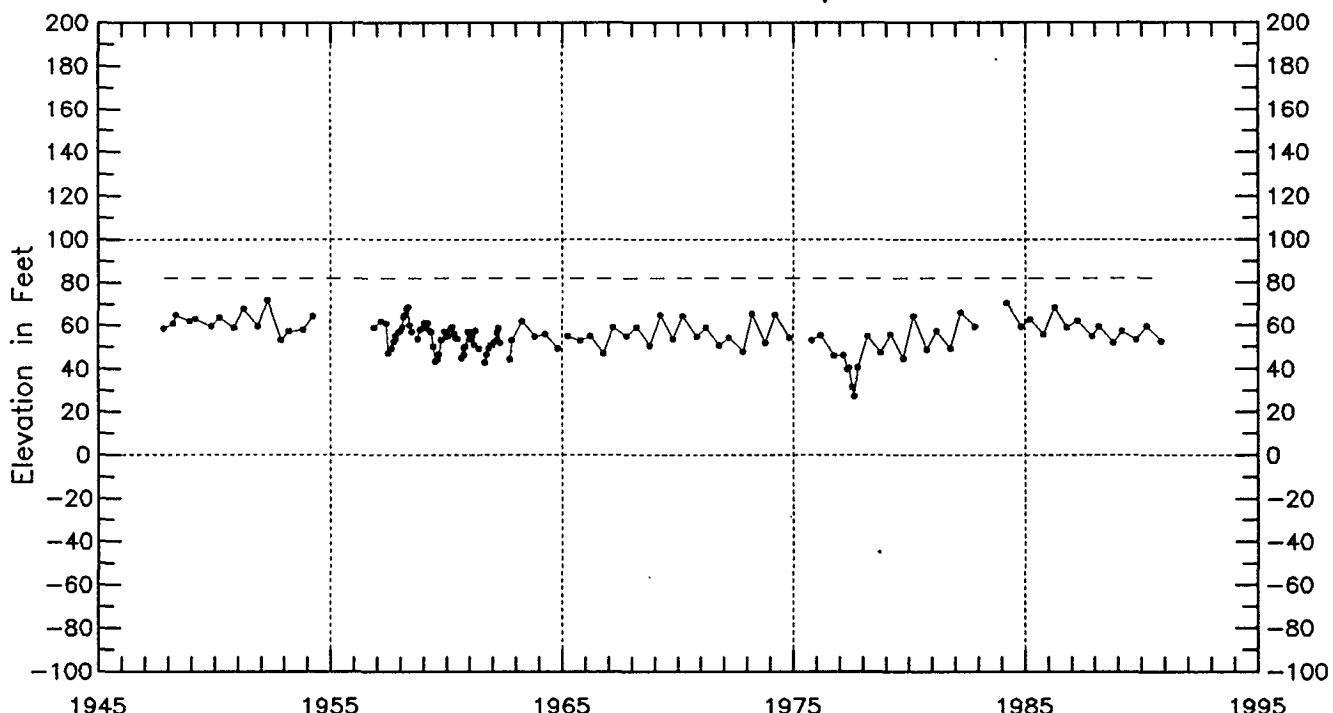
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 17N/03E-26A02M



GROUND WATER ELEVATIONS, 17N/03E-35H02M



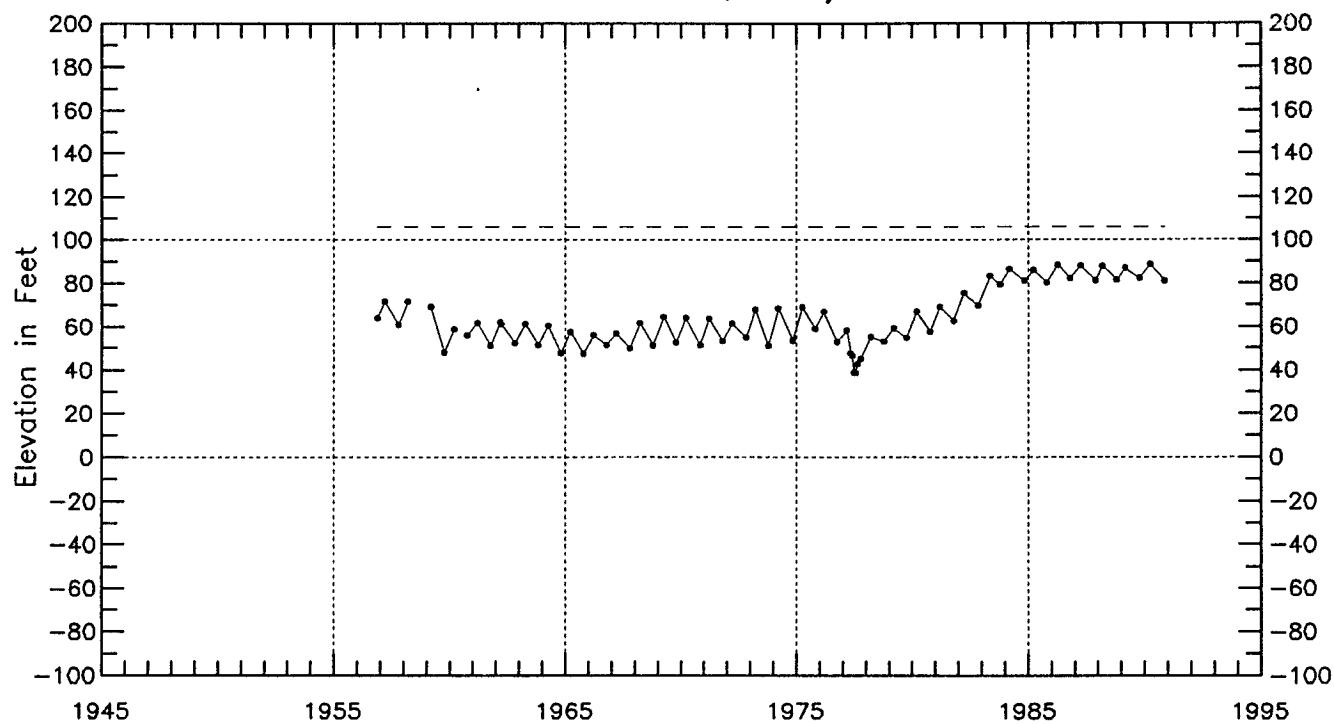
Tick mark shows beginning of calendar year

•••• Water surface elevation in well
•••• Questionable measurement

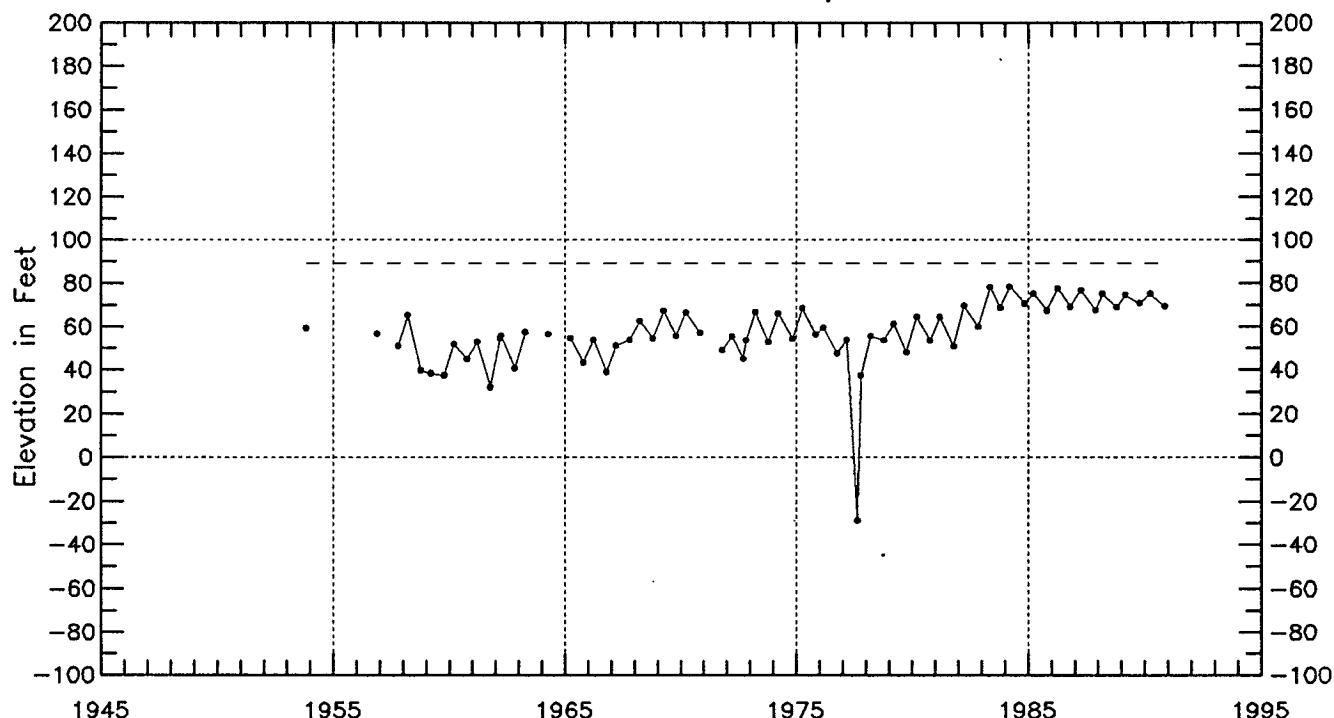
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 17N/04E-27F01M



GROUND WATER ELEVATIONS, 17N/04E-30R01M



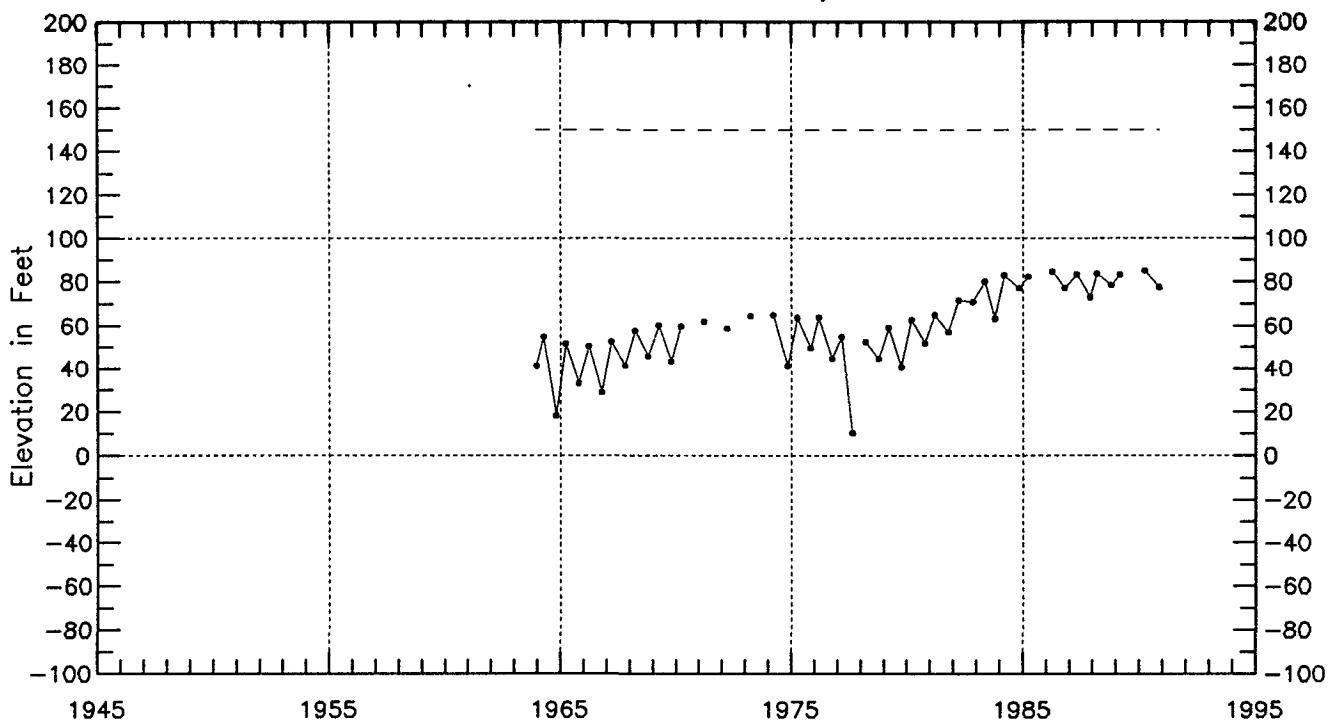
Tick mark shows beginning of calendar year

..... Water surface elevation in well
..... Questionable measurement

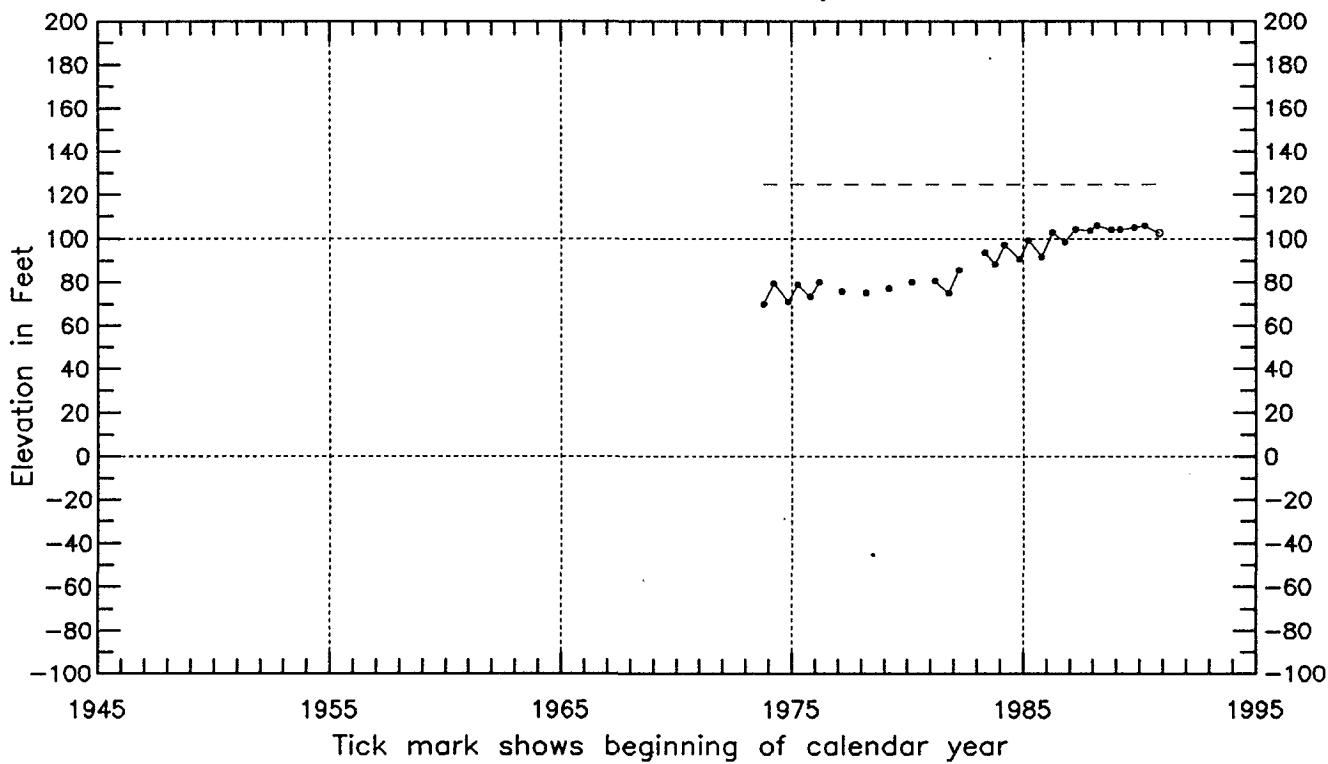
- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

GROUND WATER ELEVATIONS, 17N/04E-33Q01M



GROUND WATER ELEVATIONS, 17N/04E-35D01M



Tick mark shows beginning of calendar year

..... Water surface elevation in well
..... Questionable measurement

- - - Ground surface elevation at well
All elevations referenced to mean sea level

DEPARTMENT OF WATER RESOURCES, CENTRAL DISTRICT

Appendix B

Local Water Agencies in Yuba County

AGENCIES USING GROUND WATER ONLY

Olivehurst Public Utility District
1970 Ninth Avenue
Olivehurst, CA 95961

Linda County Water District
1280 Scales Street
Marysville, CA 95901

City of Wheatland
P.O. Box 398
Wheatland, CA 95692

California Water Service Company
629 Ninth Street
Marysville, CA 95901

AGENCIES USING SURFACE WATER ONLY

Yuba County Water Agency
1402 D Street
Marysville, CA 95901

Browns Valley Irrigation District
P.O. Box 6
Browns Valley, CA 95918

Camp Far West Irrigation District
P.O. Box 308
Wheatland, CA 95692

Cordua Irrigation District
P.O. Box 110
Marysville, CA 95901

Hallwood Irrigation Company
8463 Hallwood Boulevard
Marysville, CA 95901

Yuba County Water District
P.O. Box 299
Brownsville, CA 95919

AGENCIES USING BOTH SURFACE AND GROUND WATER

Ramirez Water District
P.O. Box 124
Marysville, CA 95901

South Yuba Water District
3002 Forty-Mile Road
Marysville, CA 95901

Brophy Water District
2649B North Beale Road
Marysville, CA 95901